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FLORIDA
NATURAL HISTORY

—OF—

JACKSON COUNTY.

Benjamin
BY FRANK BUSH.

FIRST EDITION.

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REPORT ON THE FLORA OF JACKSON COUNTY.

INTRODUCTION.

No account of the Flora of Jackson County ever having been given, I was solicited by my friends to publish a list of the plants I had found growing without cultivation in the county.

It was not my intention, at first, to commence so laborious a work as the determination of all our native plants, but a simple check list for the benefit of my exchanges; and indeed I do not claim much more for the work, as I am sure that there are many more plants yet undiscovered, which will necessitate the publication of other editions, as more matter accumulates.

My intention was, upon deciding to publish the Flora, to include nothing but such as had been collected or examined by myself, and I have adhered to it throughout.

Since the year '53, when Mr. F. Creutzfeldt made a collection in the vicinity of Westport, no one has ever, to the best of our knowledge, collected any plants in the county; therefore I am compelled to rely almost wholly upon my own investigations for so thorough a work as the enumeration of all the indigenous and naturalized plants of the county.

Bounded on the north by that great affluent of the Mississippi, it extends southward twenty-three miles, with a breadth of twenty-seven miles, making an area of six hundred and twelve square miles in the county. On the north we have the low alluvial bottoms along the Missouri, where the Polygonums thrive. On the east a low flat prairie, generally covered with water, where Water-Lilies have their habitat. On the south a high undulating prairie, dotted with oak mottes, abounding with Asters, Solidagoes and other prairie plants. On the west a ridge of high, broken hills, the remains of the glacial period, upon which are found those species of plants that inhabit dry sterile soil.

It is intersected by numerous small streams, and the two Blues. One, the larger, flows northeast through the whole length of the county, and empties into the Missouri between Independence and Kansas City; the smaller rises in the southern part of the county and flows north into the same river.

The county is also intersected by three railways, one of which extends from the Western to the Eastern confines of the county; another extends to St. Louis, while the third reaches the shores of the great lakes. Half a score of other roads concentrate in Kansas City from all parts of the country—from the waters of the Pacific to the shores of the Atlantic.

We should therefore expect that the Flora would be greatly enlarged by seeds being deposited on the banks of the Missouri River, and sown along the lines of those great transfers, the railroads. In this, however, we are disap-

pointed, for very few plants have been introduced by the means above mentioned.

During my three years collecting, I have detected 597 flowering plants, and twelve ferns and their allies, of which 522 are known to be indigenous, and are without indication in the Flora or with the term (Eu.) occasionally following, denoting that they are also indigenous to Europe. The remaining eighty-seven are either naturalized, and are indicated thus: (Nat. from Eu.), which denotes that they came from Europe, but are now propagating themselves freely without cultivation, and are fully established,—or are adventive, when they are so marked: (Adv. from Eu.), to indicate that they are not propagating themselves with such freedom as to be considered as fully established.

As will be seen, our Flora is devoid of Club-mosses, Pines, Spruces and Heaths, contains but few Lilies, Orchids, Polemoniums and Ferns, while it is very rich in Composites, Labiates, Figworts and Solanums. The absence of the Pine family is to be deplored, as there are but few trees that compare with the Firs and Pines in symmetry and freshness. The others being less ornamental, and of course less conspicuous, are not so much missed.

Half a century ago Jackson county was almost uninhabited, save by fierce and warlike tribes of Indians. Then there were no naturalized plants, no "weeds," and the indigenous plants grew and thrived without molestation.

But as the tide of immigration set in from the East, one by one the native plants disappeared, the rarer ones first, and as the county became more settled, and the cultivation of fields commenced, they rapidly vanished, to be followed up by a multitude of weeds.

As the county becomes more settled and the area of cultivated fields increase, the number of indigenous plants will become less, and, correspondingly, the number of naturalized plants will become greater. So that after a time, the number of years a county has been settled may be indicated by the number of weeds it contains; every few years witnessing the extinction of one of our native, and the appearance of some naturalized plants.

In arranging the material for this Flora, I have followed the arrangement of Gray's Manual, adopting the nomenclature contained therein, with a few exceptions, and then only where recent changes have been made, and which want of space forbids me mention.

I shall be pleased to note any correction, alteration or addition, that those who use this little work may make, either in regard to the name, number or locality of any plant it contains, or the discovery of any new species; all such should be communicated to me as soon as possible, in view of another edition the coming year.

In the determination of many of our plants, I have been materially assisted by PROF. F. L. HARVEY, of Fayetteville, Arkansas, and DR. GEORGE ENGELMANN, of St. Louis, Mo., to whom, I am under special obligations.

To those friends who have generously supported me in my botanical pursuits, I return my hearty thanks.

Hoping that my feeble efforts, in this new field for me, will have some little appreciation, I beg to remain,

Yours very truly,

FRANK BUSH.

ERRATA.

Page 9, No. 161, for "Lutetiana," read Lutetiana.

" 9, " 165. for "steams" read streams.

" 9, " 167, for "Ammonia" read Ammania.

" 11, " 180, for "Raff." read Raf.

" 10, " 195 should read 185.

" 10, " 191, for "cireazans" read circæzans.

" 10, " 193, for "Gaern" read Gärtn.

" 10, " 201, for "eupatoroides" read eupatorioides.

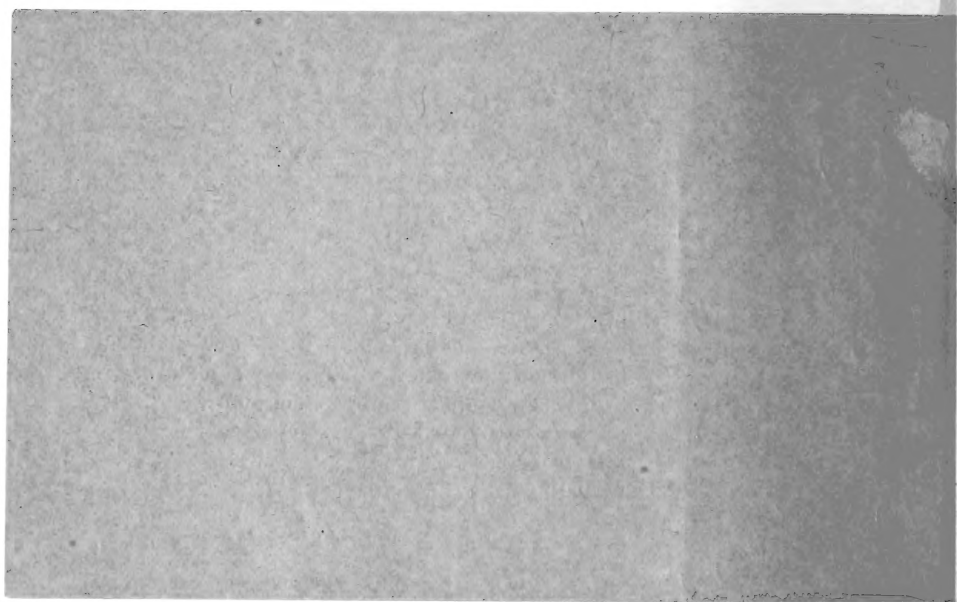
" 11, " 222, for "dracunculoides" read dracunculoides.

" 11, " 252, for "trachelifolius" read tracheliifolius.

" 12, " 283, for "Dens-conis" read Dens-leonis.

" 12, " 292, for "leptostachya" read leptostachys.

" 17, " 469, for "Jualans" read Juglans.



CATALOGUE OF PLANTS.

SERIES I.

PHENOGAMOUS OR FLOWERING PLANTS.

CLASS I.—DICOTYLEDONOUS OR EXOGENOUS PLANTS.

RANUNCULACEÆ.

(Crowfoot Family.)

- CLEMATIS, L. Virgin's Bower.
1 Pitcheri, Torr. and Gray. Rocky hills; not very common.
ANEMONE, L. Wind Flower.
2 Virginiana, L. Woodlands.
3 Pennsylvanica, L. Dry sandy soil; very common.
THALICTRUM, Tourn. Meadow Rue.
4 Cornuti, L. Borders of woods; not common.
RANUNCULUS, L. Buttercup. Crowfoot.
5 multifidus, Pursh. Standing water; frequent.
6 abortivus, L. Very common in meadows.
7 Var. micranthus, Gray. More common than the last.
8 Pennsylvanicus, L. Very wet places; not common.
9 fascicularis, Muhl. Along the Blue rivers.
10 repens, L. Hillsides bordering on streams. (Eu.)
MYOSURUS, Dill. Mouse Tail.
11 minimus, L. Rivulets and moist banks. (Eu.)
ISOPYRUM, L.
12 biternatum, Torr. and Gray. Open glades everywhere.
AQUILEGIA, Tourn. Wild Columbine.
13 Canadensis, L. Moist rocks; very common.
DELPHINIUM, Tourn. Larkspur.
14 tricornis, Michx. Dry ground and hills.
15 azureum, Michx. Our plant has white flowers.
16 *Ajae's*, L. Spontaneous along railroads. (Adv. from Eu.)
NIGELLA, L. Fennel Flower.
17 *Damascena*, L. Becoming spon-

aneous in meadows. (Adv. from Eu.)

ANONACEÆ.

(Custard-Apple Family.)

- ASIMINA, Adans. Papaw.
18 triloba, Dunal. Common shrub, with its well-known fruit.

MENISPERMACEÆ.

(Moonseed Family.)

- MENISPERMUM, L. Moonseed.
19 Canadense, L. Yellow Parilla. Very frequent.

BERBERIDACEÆ.

(Barberry Family.)

- PODOPHYLLUM, L. Mandrake.
20 peltatum, L. May Apple. Woods; common.

NYMPHÆACEÆ.

(Water Lily Family.)

- NELUMBium, Juss. Sacred Bean.
21 luteum, Willd. Water Chinquepin. Water near Buckner.

PAPAVERACEÆ.

(Poppy Family.)

- ARGEMONE, L. Prickly Poppy.
22 *Mexicana*, L. Mexican Poppy. Waste places, near dwellings. (Adv. from trop. Amer.)
23 Var. *albiflora*, DC. Fields and roadsides; common. (Adv. from trop. Amer.)

- SANGUINARIA, Dill. Blood Root.
24 Canadensis, L. High bluffs along the Missouri river.

FUMARIACEÆ.

(Fumitory Family.)

- DICENTRA, Bork.
25 Cucullaria, DC. Dutchman's

95 *dasycarpum*, Ehrhart. Silver Maple. Streams; cultivated as a shade tree.

NEGUNDO, Moench. Box Elder.

96 *aceroides*, Mönch. Rich soil along streams; also cultivated.

POLYGALACEAE.

(Milkwort Family.)

POLYGALA, Tourn. Milkwort.

97 *ambigua*, Nutt. Dry rocky ground; uncommon.

LEGUMINOSAE.

(Pulse Family.)

CROTALARIA, L. Rattle Box.

98 *sagittalis*, L. Dry sandy soil; on prairies.

TRIFOLIUM, L. Clover.

99 *pratense*, L. Red Clover. Escaped from cultivation. (Adv. from Eu.)

100 *stoloniferum*, Muhl. Running Buffalo Clover; very common.

MELILOTUS, Tourn. Sweet Clover.

101 *alba*, Lam. Melilot. Streets of Independence and Kansas City. (Adv. from Eu.)

MEDICAGO, L. Medick.

102 *sativa*, L. Lucerne. Spontaneous about gardens. (Adv. from Eu.)

PETALOSTEMON, Michx. Prairie Clover.

103 *violaceus*, Michx. Dry prairies everywhere.

104 *candidus*, Mx. Habitat as above.

AMORPHA, L. False Indigo.

105 *fruticosa*, L. Rocky shores of streams; very common.

106 *canescens*, Nutt. Lead Plant. Moist rocky clefts. Not as common as the other.

ROBINIA, L. Locust-tree.

107 *Pseudacacia*, L. Rich soil; evidently naturalized.

ASTRAGALUS, L. Milk Vetch.

108 *Canadensis*, L. Rocky banks along rivers.

DESMODIUM, DC. Tick Trefoil.

109 *acuminatum*, DC. Common in rich woods.

110 *canescens*, DC. A pestiferous weed in damp soil.

111 *Dilleni*, Darl. Very common

112 *paniculatum*, DC. Wood openings.

113 *sessilifolium*, Torr. and Gray. Dry sandy prairies.

114 *Marilandicum*, Boott. Hills on the Blue.

LESPEDEZA, Mich. Bush Clover.

115 *violacea*, Pers. Sandy hills; frequent.

116 Var. *divergens*, Gray. Rather common.

117 Var. *angustifolia*, Gray. Rare.

118 *capitata*, Michx. Dry prairies.

VICIA, Tourn. Vetch Tare.

119 *Americana*, Muhl. Moist rocky hills.

APIOS, Boerhaave. Wild Bean.

120 *tuberosa*, Mönch. Seldom flowering here.

PHASEOLUS, L. Kidney Bean.

121 *diversifolius*, Pers. Our plant seems to be perennial.

AMPHICARPEA, Ell. Hog Pea-nut.

122 *monica*, Nutt. Wooded hills; frequent.

BAPTISIA, Vent. False Indigo.

123 *leucantha*, Torr. and Gray. Low moist prairies.

CERCIS, L. Judas-tree.

124 *Canadensis*, L. Red-bud. Rich soil; often cultivated.

CASSIA, L. Senna.

125 *Marilandica*, L. Dry rocky ground; not common.

126 *Chamaecrista*, L. Sandy bottoms along rivers.

GYMNOCLADUS, Lam. Coffee-bean.

127 *Canadensis*, Lam. Woods. A fine tree.

GLEDITSCHIA, L. Honey Locust.

128 *tricanthos*, L. A fine large tree with or without thorns.

DESMANTHUS, Willd.

129 *brachylobus*, Benth. Banks of streams; rather scarce.

SCHRANKIA, Willd. Sensitive Plant.

130 *uncinata*, Willd. Dry sandy hills and prairies.

ROSACEAE.

(Rose Family.)

PRUNUS, Tourn. Plum.

131 *Americana*, Marshall. Wild red plum. Very common.

132 *Pennsylvanica*, L. Wild red cherry. A well known tree.

SPIRÆA, L. Meadow-sweet.

133 *opulifolia*, L. Nine bark. Banks of the Missouri.

AGRIMONIA, Tourn. Agrimony.

134 *Eupatoria*, L. Woodlands; common. [Eu.]

135 *parviflora*, Ait. Prairies and glades.

GEUM, L. Avens.

- 136 album, Gmelin. Damp rocks and soil; common.
 137 Virginianum, L. Wood openings; frequent.
POTENTILLA, L. Cinque Foil.
 138 Norvegica, L. A weed in fields and yards. [Eu.]
 139 paradoxa, Nutt. Banks of the Missouri.
 140 Canadensis, L. Five Finger. Dry fields; very common.
FRAGARIA, Tourn. Strawberry.
 141 Virginiana, Ehrhart., var. Illinoisensis, Gray. Fields; very common.
RUBUS, L. Bramble.
 142 occidentalis, L. Raspberry. Common in rich soil.
 143 villosus, L. Blackberry. Found everywhere.
 144 Canadensis, L. Dewberry. Sterile hills.
ROSA, Tourn. Rose.
 145 setigera, Mx. Thickets; common.
 146 Carolina, L. Very common in low grounds.
 147 lucida, Ehrhart. Dry, rocky hillsides.
CRATEGUS, L. Hawthorn.
 148 tomentosa, L. Very common, and runs into
 149 Var. pyrifolia, Gray. The most common here.
 150 Var. punctata, Gray. Not frequent.
 151 subvillosa, Schrader. Resembles the last, but fruits much later.
 152 Crus-galli, L. Streams, etc.; common.
PIRUS, L. Pear, Apple.
 153 coronaria, L. Common Crab Apple; hills.
 154 angustifolia, Ait. Frequent.
AMELANCHIER, Medic. June Berry.
 155 alnifolia, Nutt. Not common.
 156 Canadensis, Torr. and Gray. On bluffs of the Missouri.

SAXIFRAGACEÆ.

(Saxifrage Family.)

- RIBES**, L. Gooseberry.
 157 rotundifolium, Mx. Very common, throughout.

CRASSULACEÆ.

(Orpine Family.)

- PENTHORUM**, Gronov. Ditch Stone-Crop.
 158 sedoides, L. Springs and moist

ground.

- SEDUM**, Tourn. Stone Crop.
 159 pulchellum, Mx. Rocky ledges; common.

HALORAGACEÆ.

(Water Milfoil Family.)

- MYRIOPHYLLUM**, Vaill. Water Milfoil.
 160 scabratum, Mx. Shallow lakes and ponds.

ORAGRACEÆ.

(Evening Primrose Family.)

- CIRCEA**, Tourn. Enchanter's Nightshade.
 161 Lutetiana, L. Moist wooded hills. (Eu.)

GAURA, L.

- 162 biennis, L. Dry, sandy soil; not common.

ENOTHERA, L. Evening Primrose.

- 163 biennis, L. Old fields; very common.

- 164 fruticosa, L. Rich soil; frequent.

LUDWIGIA, L. False Loosestrife.

- 165 alternifolia, L. Not uncommon along streams.

- 166 palustris, Ell. Ditches and ponds. (Eu.)

LYTHRACEÆ.

(Loosestrife Family.)

AMMONIA, Houston.

- 167 latifolia, L. Muddy places; rather common.

LYTHRUM, L. Loosestrife.

- 168 alatum, Pursh. Wet prairies; common.

CUPHEA, Jacq.

- 169 viscosissima, Jacq. Rocky hills; very common.

CACTACEÆ.

(Cactus Family.)

OPUNTIA, Tourn. Prickly Pear.

- 170 vulgaris, Mill. Common on rocks.

CUCURBITACEÆ.

(Gourd Family.)

SICYOS, L. One Seeded Star Cucumber.

- 171 angulatus, L. Along streams; cultivated.

ECHINOCYSTIS, Torr. and Gray. Wild Balsam Apple.

- 172 lobata, Torr. and Gray. River banks; cultivated for arbors.

UMBELLIFERÆ.

(Parsley Family.)

SANICULA, Tourn. Black Snakeroot.

173 *Canadensis*, L. Low ground; very common.

ERYNGIUM, Tourn. Ervingo.

174 *yuccaeifolium*, Michx. Prairies; very common.

DAUCUS, Tourn. Carrot.

175 *Carota*, L. Persistent in old fields. (Adv. from Eu.)

PASTINACA, Tourn. Parsnip.

176 *sativa*, L. Spontaneous in old fields. (Adv. from Eu.)

CICUTA, L. Water Hemlock.

177 *maculata*, L. Low ground; common.

CRYPTOTENIA, DC. Honewort.

178 *Canadensis*, DC. Frequent in moist places.

CHEROPHYLLUM, L. Chervil.

179 *procumbens*, Lam. Moist woods; not common.

OSMORRHIZA, Raff. Sweet Cicely.

180 *longistylis*, DC. Deep woods; frequent.

CORNACEÆ.

(Dogwood Family.)

CORNUS, Tourn. Dogwood.

181 *paniculata*, L'Her. Banks of streams.

CAPRIFOLIACEÆ.

(Honeysuckle Family.)

SYMPHORICARPUS, Dill. Snowberry.

182 *vulgaris*, Mx. Coral Berry. Rocky hills.

LONICERA, L. Honeysuckle.

183 *parviflora*, Lam. High rocky bluffs along the Missouri.

TRIOSTEUM, Horse Gentian.

184 *perfoliatum*, L. Common on rocky hills.

SAMBUCUS, Tourn. Elder.

195 *Canadensis*, L. Fence rows; very common.

VIBURNUM, L. Black Haw.

186 *Lentago*, L. Sheep Berry. Rocks and banks of streams.

RUBIACEÆ.

(Madder Family.)

GALIUM, L. Bedstraw.

187 *Aparine*, L. Cleavers. Moist ground; very frequent. (Eu.)

188 *concinnum*, Torr. and Gr. Copses; not rare.

189 *trifidum*, L. Plentiful on wet prairies. (Eu.)

190 *triflorum*, Mx. Wooded hills; common.

191 *circæzans*, Mx. Moist ground everywhere.

CEPHALANTHUS, L. Button Bush.

192 *occidentalis*, L. Banks of Blue and other streams.

VALERIANACEÆ.

(Valerian Family.)

FEDIA, Gærn. Lamb Lettuce.

193 *radiata*, Mx. Wet prairies; not common.

COMPOSITÆ.

(Composite Family.)

VERNONIA, Schreb. Iron Weed.

194 *Noveboracensis*, Willd. Road-sides; very common.

195 *fasciculata*, Mx. River bottoms.

ELEPHANTOPUS, L. Elephant's foot.

196 *Carolinianus*, Willd. Dry hills; rare.

LIATRIS, Schreb. Blazing Star.

197 *squarrosa*, Willd. Very plenty on dry prairies.

198 *punctata*, Hook. Common on dry sandy prairies.

199 *scariosa*, Willd. Dry prairies; common.

200 *pycnostachya*, Michx. With the preceding.

KUHNTIA, L.

201 *eupatoroides*, L. Dry sterile soil; very common.

EUPATORIUM, Tourn. Thoroughwort.

202 *purpureum*, L. Low grounds along streams.

203 *altissimum*, L. Very common on dry hills.

204 *perfoliatum*, L. Boneset. A well-known herb.

205 *ageratoides*, L. Rich soil along streams.

206 *aromaticum*, L. Low ground; not common.

ASTER, L. Starwort.

207 *lævis*, L. Banks and copses.

208 Var. *laevigatus*, Gray. Dry sterile hillsides.

209 Var. *cyaneus*, Gray. Borders of woods.

210 *azureus*, Lindl. Prairies and copses; common.

211 *Drummondii*, Lindl. Wooded hills; very abundant.

212 *ericoides*, L. Borders of fields and woods.

213 *multifloris*, Ait. Dry ground; common.

214 *paniculatus*, Lam. Fields and

- copses; common everywhere.
- 215 *tenuifolius*, L. Low bottoms along streams.
- 216 *oblongifolius*, Nutt. Dry, rocky cliffs along the Blues.
- 217 *Novae-Angliae*, L. Prairies and bottoms; frequent.
- ERIGERON, L. Fleabane.
- 218 *Canadense*, L. Horse Weed. Too common in fields. (Nat. in Eu.)
- 219 *Philadelphicum*, L. Meadows and woodlands.
- 220 *annuum*, Pers. A common weed in fields. (Nat. in Eu.)
- 221 *strigosum*, Muhl. With the last.
- AMPHIACHYSIS.
- 222 *dracunculoides*, DC. Very common on prairies about Lee's Summit.
- BOLTONIA, L'Her.
- 223 *glastifolia*, L'Her. Inundated bottoms of rivers.
- SOLIDAGO, L. Golden-rod.
- 224 *rigida*, L. Dry prairies; not uncommon.
- 225 *ulmifolia*, Muhl. Rocky hills; common.
- 226 *Missouriensis*, Nutt. With the preceding; not frequent.
- 227 *rupestris*, Raf. Poor soil along streams.
- 228 *Canadensis*, L. Very common everywhere.
- 129 *serotina*, Ait. Bottoms along the Missouri.
- 230 *gigantea*, Ait. A glabrate form of the above.
- 231 *lanceolata*, L. Prairies; very abundant.
- INULA, L. Elecampane.
- 232 *Helenium*, L. Rocky ground; escaped from cultivation.
- SILPHIUM, L. Rosin Weed.
- 233 *laciniatum*, L. Compass Plant. Prairies; common.
- 234 *integrifolium*, Mx. Dry sterile hills.
- 235 *perfoliatum*, L. Cup Plant. Streams.
- AMBROSIA, Tourn. Rag Weed.
- 236 *trifida*, L. Very common along streams.
- 237 *artemisaefolia*, L. A common weed in fields.
- 238 *psilostachya*, DC. Dry barrens; not common.
- XANTHIUM, Tourn. Cocklebur.
- 239 *strumarium*, L. A vile weed in bottoms.
- ECLIPTA, L.
- 240 *procumbens*, Mx. Moist ground; frequent.
- HELIOPSIS, Pers. Oxeye.
- 241 *laevis*, Pers. Dry open ground; not rare.
- ECHINACEA, Mench. Purple Cone-flower.
- 242 *angustifolia*, DC. Common on dry prairies.
- RUDBECKIA, L. Cone-flower.
- 243 *laciniata*, L. Moist soil along rivers.
- 244 *subtomentosa*, Pursh. Frequent on prairies.
- 245 *triloba*, L. Dry fields; very common.
- 246 *speciosa*, Wenderoth. Dry hills and prairies.
- 247 *hirta*, L. A common weed in clover fields.
- LEPACHYS, Raf.
- 248 *pinnata*, Torr. and Gray. Dry rocky hills; frequent.
- HELIANTHUS, L. Sunflower.
- 249 *annuus*, L. About dwellings; escaped from cultivation. (Adv. from trop. Amer.)
- 250 *rigidus*, Desf. Common in dry open places.
- 251 *grosse-serratus*, Martens. Fence rows and along railroads.
- 252 *trachelifolius*, Willd. Dry sterile hills; common.
- 253 *tuberosus*, L. Artichoke. Fields and copses. (Adv. from Eu.)
- ACTINOMERIS, Nutt.
- 254 *squarrosa*, Nutt. Rich soil along streams.
- COREOPSIS, L. Tickseed.
- 255 *tinctoria*, Nutt. Spontaneous along railroads. (Adv. from Eu.)
- 256 *tripteris*, L. Dry rocky hills; not frequent.
- 257 *aristosa*, Mx., var. *mutica*, Gray. Very low ground.
- BIDENS, L. Bur-Marigold.
- 258 *frondosa*, L. Moist ground along streams.
- 259 *connata*, Muhl. With the preceding.
- 260 *cernua*, L. Beds of rivulets (Eu.)
- 261 *chrysanthemoides*, Michx. Low river bottoms.
- 262 *bipinnata*, L. Spanish Needles. Wooded hills.
- DYSODIA, Cav. Fetid Marigold.
- 263 *chrysanthemoides*, Lag. A com-

mon roadside weed.
HELENIUM, L. Sneezeweed.
 264 *autumnale*, L. Alluvial soil along streams.
MARUTA, Cass. May Weed.
 265 *Cotula*, DC. Dog Fennel. A well-known weed. (Nat. from Eu.)
ACHILLEA, L. Yarrow.
 266 *Millefolium*, L. Milfoil. Clover fields; common. (Eu.)
LEUCANTHEMUM, Tourn. Oxeye Daisy.
 267 *vulgare*, Lam. White Weed. Not very common. (Nat. from Eu.)
TANACETUM, L. Tansy.
 268 *vulgare*, L. About dwellings and along roadsides. (Adv. from Eu.)
ARTEMISIA, L. Wormwood.
 269 *Ludoviciana*, Nutt. Dry sandy banks; frequent.
 270 *biennis*, Willd. Roadsides and fields.
GRAPHALIMUM, L. Cudweed.
 271 *polyccephalum*, Mx. Dry sterile fields; not common.
 272 *uliginosum*, L. Pastures and roadsides; frequent. (Eu.)
ANTENNARIA, Gaertn. Everlasting.
 273 *plantaginifolia*, Hook. Meadows and knolls.
ERECHTHITES, Raf. Fireweed.
 274 *hieracifolia*, Raf. Rich open woods; common.
CACALIA, Indian Plantain.
 275 *atriplicifolia*, L. Borders of deep woods.
 276 *tuberosa*, Nutt. Common on wet prairies.
SENECIO, L. Groundsel.
 277 *lobatus*, Pers. Butter-weed. Rich woods; uncommon.
 278 *aureus*, L. Frequent in sphagnum swamps.
CIRSIUM, Tourn. Thistle.
 279 *lanceolatum*, Scop. Fields and roads; very common. (Nat. from Eu.)
 280 *altissimum*, Spreng. Wooded hills; not common.
LAPPA, Tourn.
 281 *officinalis*, Allioni. Moist places about springs. (Nat. from Eu.)
NABALUS, Cass. Rattlesnake Root.
 282 *aspera*, Torr. and Gr. Dry barrens and along railroads.
TARAXACUM, Haller. Dandelion.
 283 *Dens-conis*, Desf. A common weed in pastures. (Eu.)
LACTUCA, Tourn. Lettuce.

284 *Canadensis*, L. Fields; common.
 285 Var. *integrifolia*, Torr. and Gr. Similar situation as above.
 286 Var. *sanguinea*, Torr. and Gray. Dry sterile hills.
MULGEDIUM, Cass. Blue Lettuce.
 287 *acuminatum*, DC. Fields and pastures.
 288 *Floridanum*, DC. Wooded hillsides.
SONCHUS, L. Sow Thistle.
 289 *oleraceus*, L. A very common weed in gardens. (Nat. from Eu.)
 290 *asper*, Vill. Fields and along railroads. (Nat. from Eu.)

LOBELIACEÆ.

(Lobelia Family.)

LOBELIA, L. Lobelia.
 291 *syphilitica*, L. Along streams.
 292 *leptostachya*, A. DC. Damp rocky hills.
 293 *inflata*, L. Indian Tobacco. Dry fields; common.

CAMPANULACEÆ.

(Campanula Family.)

CAMPANULA, Tourn. Bell Flower.
 294 *Americana*, L. Thickets and along streams.
SPECULARIA, Heister. Venus' Looking Glass.
 295 *leptocarpa*, Gray. Frequent on damp rocky hills.
 296 *perfoliata*, A. DC. Dry sterile hills; very common.

EBENACEÆ.

(Ebony Family.)

DIOSPYROS, L. Date Plum.
 297 *Virginiana*, L. Persimmon. Poor hilly soil.

PLANTAGINACEÆ.

(Plantain Family.)

PLANTAGO, L. Plantain.
 298 Major, L. About dwellings in damp soil.
 299 *Virginica*, L. Dry sterile fields; very common.
 300 Var. *longifolia*, Gray. Rich soil along streams.
 301 *Patagonica*, Jacq., Var. *aristata*, Gray. Barrens; not common.

PRIMULACEÆ.

(Primrose Family.)

ANDROSACE, Tourn.

- 302 *occidentalis*, Pursh. Dry sandy hills; frequent.
LYSIMACHIA, Tourn. Loosestripe.
 303 *ciliata*, L. Copses and along fences; common.
 304 *nummularia*, L. Moneywort. Near gardens. (Adv. from Eu.)
ANAGALLIS, Tourn. Pimpernel.
 305 *arvensis*, L. Moist soil about dwellings. (Nat. from Eu.)

LENTIBULACEÆ.

(Bladderwort Family.)

- UTRICULARIA*, L. Bladderwort.
 306 *vulgaris*, L. Sloughs and deep ponds; common.

BIGNONIACEÆ.

(Bignonia Family.)

- CATALPA*, Scop. Indian Bean.
 307 *bignonioides*, Walt. Grows wild along roadsides, but was introduced.
MARTYNIA, L. Unicorn-plant.
 308 *proboseidea*, Glox. Low ground along streams.

SCROPHULARIACEÆ.

(Figwort Family.)

- VERBASCUM*, L. Mullein.
 309 *Thapsus*, L. A common weed in fields. (Nat. from Eu.)
 310 *Blattaria*, L. Frequent along roadsides; (Nat. from Eu.)
LINARIA, Tourn. Toad-flax.
 311 *vulgaris*, Mill. Streets; escaped from gardens. (Nat. from Eu.)
SCROPHULARIA, Tourn. Figwort.
 312 *nodosa*, L. Common along streams.
COLLINSIA, Nutt.
 313 *vena*, Nutt. Moist rich ground; not very common.
PENTSTEMON, Mitchell. Beard Tongue.
 314 *pubescens*, Solander. Dry ground; frequent.
 315 *laevigatus*, Solander. Var. *Digitalis*, Grav. Very common on wet prairies.
MIMULUS, L. Monkey Flower.
 316 *ringens*, L. Low bottoms; not very common.
 317 *alatus*, Ait. Rivulets; not rare.
CONOBEA, Aublet.
 318 *multifida*, Benth. Upper leaves usually ternate.
HERPESTIS, Gaertn.
 319 *rotundifolia*, Pursh. Muddy places; very frequent.

- GRATIOLA*, L. Hedge Hyssop.
 320 *sphaerocarpa*, Ell. Very wet places; uncommon.
ILYSANTHES, Raf.
 321 *gratioloides*, Benth. Banks of Blue Rivers.
VERONICA, L. Speedwell.
 322 *Virginica*, L. Rich woods; rather common.
 323 *peregrina*, L. A weed in gardens.
 324 *arvensis*, L. Rocky hills; plentiful. (Nat. from Eu.)

SEYMERIA, Pursh.

- 325 *macrophylla*, Nutt. Rocky streams; not common.

GERARDIA, L. Gerardia.

- 326 *auriculata*, Michx. Common on moist prairies.
 327 *Skinneriana*, Wood. Fields and openings.

PEDICULARIS, Tourn. Lousewort.

- 328 *Canadensis* L. High hills along the Blue rivers.

ACANTHACEÆ.

(Acanthus Family.)

RUCELLIA, L.

- 329 *ciliosa*, Pursh. Dry rocky soil; very common.
 330 Var. *longiflora*, Gray. With the preceding; not rare.

VERBENACEÆ.

(Vervain Family.)

VERBENA, L. Vervain.

- 331 *angustifolia*, Mx. Dry hills; very frequent.
 332 *hastata*, L. Low meadows; not common.
 333 *urticifolia*, L. A weed along waysides.
 334 *stricta*, Vent. With the preceding
 335 *bracteosa*, Mx. Yards and waste ground.
 336 *Aubletia*, L. Rocks and hills; rather common.

LIPPIA, L.

- 337 *lanceolata*, Mx. Common about springs and rills.

PHRYMA, L. Lopseed.

- 338 *Leptostachya*, L. Rich, moist woods; frequent.

LABIATÆ.

(Mint Family.)

TEUCRIUM, L. Germander.

- 339 *Canadense*, L. Wood Sage. Very common.

ISANTHUS, Mx. False Pennyroyal.

- 340 *caeruleus*, Mx. Fields and woods; common.
- MENTHA, L. Mint.
- 341 *viridis*, L. Springs and streams. (Nat. from Eu.)
- 342 *piperita*, L. Along brooks and banks; uncommon. (Nat. from Eu.)
- 343 *Canadensis*, L. Commoner in springs than the
- 344 Var. *glabrata*, Benth. With the primary form.
- LYCOPUS, L. Water Horehound.
- 345 *Virginicus*, L. In water; frequent
- 346 *sinuatus*, Ell. Very common.
- RYCYNANTHEMUM, Mx. Mountain Mint.
- 347 *Torreyi*, Benth. Woods and knolls
- 348 *muticum*, Pers. var., *pilosum*, Gray. Borders of woods.
- 349 *linifolium*, Pursh. Brackish soil; very common.
- HEDEOMA, Pers. Mock Pennyroyal.
- 350 *pulegioides*, Pers. Hills and sterile ground.
- 351 *hispida*, Pursh. Barrens; very common.
- SALVIA, L. Sage.
- 352 *azurea*, Lam., var. *grandiflora*, Benth. Dry rocky soil.
- 353 *lanceolata*, Willd. Streets of towns; apparently introduced.
- MONARDA, L. Horse Mint.
- 354 *fistulosa*, L. Rich woods; very variable.
- 355 *Bradburiana*, Beck. Oak-openings; not common.
- BLEPHILIA, Raf.
- 356 *ciliata*, Raf. Woods and open fields; rare.
- 357 *hirsuta*, Benth. Deep woods; not rare.
- LOPHANTHUS, Benth. Giant Hyssop.
- 358 *nepetoides*, Benth. Abundant on wooded banks.
- 359 *scrophulariæfolius*, Benth. Copses and banks; not common.
- NEPETA, L. Cat Mint.
- 360 *Cataria*, L. Cat-nip. Common along fence rows. [Adv. from Eu.]
- 361 *Glechoma*, Benth. Ground Ivy. Rocky hillsides; common. (Adv. from Eu.)
- PHYSOSTEGIA, Benth. False Dragon-head.
362. *Virginiana*, Benth. Low bottoms of the Missouri.
- BRUNELLA, Tourn. Self-heal.
- 363 *vulgaris*, L. Heal-all. Very plenty along streams.
- SCUTELLARIA, L. Skull-cap.
- 364 *versicolor*, Nutt. Wooded banks; not very abundant.
- 365 *parvula*, Mx. Dry sandy prairies.
- 366 *lateriflora*, L. Wet banks and streams; very common.
- MARRUBIUM, L. Horehound.
- 367 *vulgare*, L. Roadsides and fields; common. (Nat. from Eu.)
- STACHYS, L. Hedge Nettle.
- 368 *aspera*, Mx. Low ground; the common form.
- 369 Var. *glabra*, Gray. Wet banks and pools; uncommon.
- LEONURUS, L. Motherwort.
- 370 *Cardiaca*, L. Streets and waste places. (Nat. from Eu.)
- BORRAGINACEÆ.
(Borage Family.)
- ONOSMODIUM, Mx. False Gromwell.
- 371 *Carolinianum*, DC. Dry rocky slopes.
- LITHOSPERMUM, Tourn. Gromwell. Puccoon.
- 372 *arvense*, L. Frequent in wheat fields. (Nat. from Eu.)
- 373 *hirtum*, Lehm. Common on high clayey hills.
- MERTENSIA, Roth. Smooth Lungwort.
- 374 *Virginica*, DC. Virginia Cowslip. Along streams.
- ECHINOSPERMUM, Swartz. Stone Seed.
- 375 *Virginicum*, Lehm. Woods and copses; common.
- CYNOGLOSSUM, Tourn. Hound's Tongue.
- 376 *officinale*, L. Meadows and fields; a vile weed. (Nat. from Eu.)
- HYDROPHYLLACEÆ.
(Waterleaf Family.)
- HYDROPHYLLUM, L. Waterleaf.
- 377 *Virginicum*, L. Common in damp woods.
- 378 *appendiculatum*, Mx. With the preceding.
- ELLISIA, L.
- 379 *Nyctelea*, L. Abundant along streams.
- POLEMONIACEÆ.
(Polemonium Family.)
- PHLOX, L. Phlox.
- 380 *pilosa*, L. Sweet William. Dry ground, common.
- CONVOLVULACEÆ.
(Convolvulus Family.)
- IPOMŒA, L. Morning Glory.

- 381 *coccinea*, L. Rich river bottoms; evidently indigenous.
 382 *purpurea*, Lam. Very common in cultivated ground.
 383 *hederacea*, Jacq. A weed in cultivated fields.
 384 *pandurata*, Meyer. Rich soil along streams.
CONVOLVULUS, L. Bindweed.
 385 *sepium*, L. Low ground; very common.
CUSCUTA, Tourn. Dodder.
 386 *glomerata*, Choisy. Dry hills; on *Helianthus trachelifolius*.

SOLANACEÆ.

(Nightshade Family.)

- SOLANUM*, Tourn.
 387 *Dulcamara*, L. Bittersweet. Streets and yards.
 388 *nigrum*, L. Common weed in fields.
 389 *Carolinense*, L. Horse Nettle. Pastures and roads.
 390 *rostratum*, Dunal. A vile weed on our streets.
PHYSALIS, L. Ground Cherry.
 391 *Virginiana*, Mill. Very common in cultivated ground.
 392 *viscosa*, L. Fence rows and copses.
 393 *pubescens*, L. In damp rich soil; common.
 394 *lanceolata*, Mx. Frequent in light soil.
 395 *Var. laevigata*, Gray. Dry hills; rare.
 396 *Var. hirta*, Gray. On rocks mostly; not common.

NICANDRA, Adans. Apple of Peru.

- 397 *physaloides*, Gaertn. Old gardens and waste places. (Adv. from Peru.)

LYCIUM, L. Matrimony-vine.

- 398 *vulgure*, Dunal. Streets and yards; escaped from cultivation

DATURA, L. Jamestown-weed.

- 399 *Tatula*, L. Waysides and along streets. (Adv. from trop. Amer.)

- 400 *Stramonium*, L. With the preceding. (Adv. from Asia.)

GENTIANACEÆ.

(Gentian Family.)

GENTIANA, L. Gentian.

- 401 *alba*, Muhl. Dry wooded hills; not common.

- 402 *Andrewsii*, Griseb. Borders of

prairies, in oak mottes.

- 403 *puberula*, Mx. Common on dry prairies.

APOCYNACEÆ.

(Dogbane Family.)

APOCYNUM, Tourn. Dogbane.

- 404 *cannabinum*, L. Along streams; very variable.

ASCLEPIADACEÆ.

(Milkweed Family.)

ASCLEPIAS, L. Milkweed. Silkweed.

- 405 *Cornuti*, Decaisne. Common.

- 406 *purpurascens*, L. Wooded hillsides.

- 407 *incarnata*, L. Wet prairies; frequent.

- 408 *Meadii*, Torr. Common on low prairies.

- 409 *tuberosa*, L. Fields and meadows.

- 410 *verticillata*, L. Moist ground along streams.

ENSLERIA, Nutt.

- 411 *albida*, Nutt. Sandy banks of the Missouri.

OLEACEÆ.

(Olive Family.)

FRAXINUS, Tourn. Ash.

- 412 *Americana*, L. White Ash. A well-known valuable tree.

ARISTOLOCHIACEÆ.

(Birthwort Family.)

ASARUM, Tourn. Wild Ginger.

- 413 *Canadense*, L. Rich woods along ravines.

ARISTOLOCHIA, Tourn. Birthwort.

- 414 *Serpentaria*, L. Newly cleared rich woods; never very common.

NYCTAGINACEÆ.

(Four-o'clock Family.)

OXYBAPHUS, Vahl.

- 415 *abidus*, Sweet. Frequent on dry rocky ledges.

PHYTOLACCACEÆ.

(Pokeweed Family.)

PHYTOLACCA, Tourn. Pokeweed.

- 416 *decandra*, L. Low rich ground along streams.

CHENOPODIACEÆ.

(Goosefoot Family.)

CHENOPODIUM, L. Goosefoot. Pigweed.

- 417 *album*, L. A common weed in cultivated ground. (Nat. from Eu.)

- 418 *viride*, L. With the preceding. (Nat. from Eu.)
 419 *murale*, L. Frequent about dwellings. (Adv. from Eu.)
 420 *hybridum*, L. Common in manured ground. (Nat. from Eu.)
 421 *Botrys*, L. Streets of towns; escaped from gardens. (Adv. from Eu.)
 422 *ambrosioides*, L. Streets of Independence and Kansas City. (Nat. from trop. Amer.)
 423 *anthelminticum*, L. Wormseed. Very common on the streets of Independence. (Nat. from trop. Amer.)

AMARANTACEÆ.

(Amaranth Family.)

AMARANTUS, Tourn. Amaranth.

- 424 *paniculatus*, L. Frequent about old gardens. (Adv. from trop. Amer.)
 425 *retroflexus*, L. A weed in waste places. (Nat. from trop. Amer.)
 426 *albus*, L. Common along roadsides. (Nat. from trop. Amer.)
 427 *spinosus*, L. An abominable weed on the streets of Kansas City. (Nat. from trop. Amer.)
 428 *viridis*, L. Streets and yards; not frequent. (Adv. from Eu.)

MONTELLA, Moquin.

- 429 *amariscina*, Gray. Sandy shores of the Missouri.

POLYGONACEÆ.

(Buckwheat Family.)

POLYGONUM, L. Knotweed.

- 430 *orientale*, L. Prince's Feather. Along railroads; escaped from gardens. (Adv. from India.)
 431 *Pennsylvanicum*, L. Common in waste grounds.
 432 *incarnatum*, Ell. Low sandy bottoms along streams.
 433 *Persicaria*, L. Lady's Thumb. Damp shady places. (Nat. from Eu.)
 434 *Hydropiper*, L. Smartweed. About springs and along shaded brooks. (Eu.)
 435 *acre*, H. B. K. With the preceding.
 436 *hydropiperoides*, Mx. Brooks and rills; very common.
 437 *Muhlenbergii*, Watson. Sandy bottoms along the Missouri.
 438 *Virginianum*, L. In fields along fences; common.

- 439 *aviculare*, L. Yards about houses. (Eu.)

- 440 *erectum*, L. Similar situations as the above.

- 441 *dumetorum*, L., var. *scandens*, Gray. Thickets and copses.

FAGOPYRUM, Tourn. Buckwheat.

- 442 *esculentum*, Mönch. Enduring for a while in old fields. (Adv. from Eu.)

RUMEX, L. Dock. Sorrel.

- 443 *altissimus*, Wood. Moist soil along streams.

- 444 *salicifolius*, Weinmann. Brackish streams.

- 445 *crispus*, L. A weed in waste ground. (Nat. from Eu.)

- 446 *acetosella*, L. Introduced from the East with wheat. (Nat. from Eu.)

EUPHORBIACEÆ.

(Spurge Family.)

EUPHORBIA, L. Spurge.

- 447 *maculata*, L. A common roadside weed.

- 448 *humistrata*, Engelm. Sandy soil along streams.

- 449 *hypericifolia*, L. Common in fields and along roads.

- 450 *marginata*, Pursh. Escaped from gardens. (Adv. from the west.)

- 451 *corollata*, L. Sandy or rocky soil; not very plenty.

- 452 *dentata*, Mx. Moist fields and fence rows.

- 453 *heterophylla*, L. Dry rocky slopes; frequent.

ACALYPHA, L. Three-seeded Mercury.

- 454 *Virginica*, L. Common weed in fields and meadows.

CROTON, L.

- 455 *capitatus*, Mx. Dry rocky ground; not very abundant.

- 456 *monanthogynus*, Mx. With the other; more common.

URTICACEÆ.

(Nettle Family.)

ULMUS, L. Elm.

- 457 *fulva*, Mich. Slippery Elm. Very well known.

- 458 *Americana*, L. White Elm. The commonest species.

- 459 *racemosa*, Thom. Corky White Elm. Very rare in this locality.

CELTIS, Tourn. Nettle-tree. Hackberry.

- 460 *occidentalis*, L. A very familiar tree.

MORUS, Tourn. Mulberry.

461 rubra, L. Common in rich woods.

URTICA, Tourn. Nettle.

462 gracilis, Ait. Moist ground in old fields.

LAPORTEA, Gaudichaud. Wood Nettle.

463 Canadensis, Gaudichaud. Moist soil along streams.

PILEA, Lindl. Richweed. Clearweed.

464 pumila, Gray. Moist rocks sloping to the North.

PARIETARIA, Tourn. Pellitory.

465 Pennsylvanica, Muhl. Base of rocky cliffs in the shade.

CANNABIS, Tourn. Hemp.

466 sativa, L. Waste grounds. (Adv. from Eu.)

HUMULUS, L. Hop.

467 lupulus, L. Deep soil along streams; common. (Eu.)

PLATANACEÆ.

(Plane Tree Family.)

PLATANUS, L. Plane Tree. Button-wood.

468 occidentalis, L. Sycamore. Mostly along streams.

JUGLANDACEÆ.

(Walnut Family.)

JUALANS, L. Walnut.

469 nigra, L. A valuable timber tree.

CARYA, Nutt. Hickory.

470 alba, Nutt. Shell-bark. This is the principal tree of the genus.

471 sulcata, Nutt. Hard-shell. A large tree but not valuable.

472 tomentosa, Nutt. Mocker-nut. Hills along the Blues.

473 porcina, Nutt. Pig-nut. Common everywhere.

474 amara, Nutt. Bitter-nut. Very abundant.

CUPULIFERÆ.

(Oak Family.)

QUERCUS, L. Oak.

475 alba, L. A valuable lumber tree.

476 macrocarpa, Mx. Quite plenty.

477 Prinus, L. Dry sterile hills.

478 Muhlenbergii, Engelm. Rich soil along streams.

479 prinoides, Willd. Rocky hills; not common.

480 imbricaria, Michx. Barren hills; frequent.

481 nigra, L. Dry sandy hills.

482 coccinea, Wang. With the preceding.

483 rubra, L. Rich soil along streams

484 palustris, Du Roi. Bottoms along rivers.

CORYLUS, Tourn. Hazel-nut.

485 Americana, Walt. Copses; very common.

OSTRYA, Micheli. Iron-wood.

486 Virginica, Willd. Deep woods; not rare.

SALICACEÆ.

(Willow Family.)

SALIX, Tourn. Willow. Osier.

487 sericea, Marshall. Bottoms along the Missouri.

488 petiolaris, Smith. Moist ground along branches.

489 lucida, Muhl. Low grounds; very common.

490 nigra, Marsh. Common in damp ravines.

POPULUS, Tourn. Poplar. Aspen.

491 monilifera, Ait. Cotton-wood. Rivers everywhere.

492 angulata, Ait. Necklace Poplar. With the last.

CLASS II.—MONOCOTYLEDONOUS OR ENDOGENOUS PLANTS.

ARACEÆ.

(Arum Family.)

ARISÆMA, Martius. Dragon Arum.

493 triphyllum, Torr. Indian Turnip. Rich soil; common.

494 Dracontium, Schott. Green Dragon. With the other.

ACORUS, L. Sweet Flag.

495 Calamus, L. Calamus. Margir of dark pools.

TYPHACEÆ.

(Cat-tail Family.)

TYPHA, Tourn. Cat-tail Flag.

496 angustifolia, L. Swamps everywhere.

SFARGANIUM, Tourn. Bur-reed.

497 eurycarpum, Engelm. Sloughs along the Blues.

NAIADACEÆ.

(Pondweed Family.)

- POTAMOGETON, Tourn. Pondweed.
498 hybridus, Mx. Slow streams and ponds; common.

ALISMACEÆ.

(Water-Plantain Family.)

- ALISMA, L. Water-Plantain.
499 Plantago, L., var. Americanum, Gray. Shallow lakes.
ECHINODORUS, Engelmann.
500 rostratus, Engelm. Inundated bottoms along the Missouri.
SAGITTARIA, L. Arrow-head.
501 variabilis, Engelm. In shallow ponds; common.
502 graminea, Mx. Muddy places; uncommon.

ORCHIDACEÆ.

(Orchis Family.)

- SPIRANTHES, Richard. Ladies' Tresses.
503 graminea, Lindl., var. Walteri, Gray. Prairies.
POGONIA, Juss. Three-Birds.
504 pendula, Lindl. Bottom lands; very rare here.
APLECTRUM, Nutt. Putty-root.
505 hyemale, Nutt. Adam-and-Eve. Rich soil; rare.

AMARYLLIDACEÆ.

(Amaryllis Family.)

- HYPOXYS, L. Star-grass.
506 erecta, L. Glades and open woods; common.

IRIDACEÆ.

(Iris Family.)

- IRIS, L. Flower-de-Luce.
507 versicolor, L. Blue Flag. Swamps; very common.
508 cuprea, Pursh. Low ground about springs; frequent.
PARDANTHUS, Ker. Blackberry Lily.
509 *Chinensis*, Ker. About old gardens. (Adv. from China.)
SISYRINCHIUM, L. Blue-eyed Grass.
510 Bermudiana, L. All the different forms are very common.

DIOSCOREACEÆ.

(Yam Family.)

- DIOSCOREA, Plumier. Yam.
511 villosa, L. Common in hazel coves.

SMILACEÆ.

(Smilax Family.)

- SMILAX, Tourn. Catbrier.

- 512 rotundifolia, L. Greenbrier. Very common.

- 513 herbacea, L. Carrion-Flower. Fields and meadows.

LILIACEÆ.

(Lily Family.)

- UVULARIA, L. Bellwort.
514 grandiflora, Smith. High bluffs along the Missouri.
SMILACINA, Desf. False Spikenard.
515 racemosa, Desf. Damp woods; not frequent.
POLYGONATUM, Tourn. Solomon's Seal.
516 biflorum, Ell. Banks of streams.
517 giganteum, Dietrich. Rich soil along ravines.
ASPARAGUS, L. Asparagus.
518 *officinalis*, L. Garden Asparagus. Escaped into coves. (Adv. from Eu.)
LILIUM, L. Lily.
519 superbum, L. Rich soil along streams; common in cultivation
ERYTHRONIUM, L. Dog's-tooth Violet.
520 albidum, Nutt. Cool shaded ravines. very abundant.
SCILLA, L. Squill.
521 Fraseri, Gray. High hills along Little Blue.
ALLIUM, L. Onion. Garlic.
522 stellatum, Nutt. Limestone ledges; very common.
523 Canadense, Kalm. Thickets and moist coves.

JUNCACEÆ.

(Rush Family.)

- JUNCUS, L. Rush. Bogrush.
524 tenuis, Willd. Common along roadsides.
525 nodosus, L. In low sandy ground along streams.
526 Var. megacephalus, Torr. Shallow ponds.

PONTEDERIACEÆ.

(Pickerelweed Family.)

- HETERANTHERA, L. Mud Plantain.
527 limosa, Vahl. Very wet places; not very common.

COMMELYNACEÆ.

(Spiderwort Family.)

- TRADESCANTIA, L. Spiderwort.
528 Virginica, L. Dry woods; a white form in gardens.

CYPERACEÆ.

(Sedge Family.)

- CYPERUS, L. Galingale.

- 529 *diandrus*, Torr. Moist soil; not frequent.
 530 *inflexus*, Muhl. Low sandy bottoms.
 531 *acuminatus*, Torr. Along brooks; common.
 532 *compressus*, L. Hills and fields; rare here.
 533 *phymatodes*, Muhl. Moist sandy soil.

HEMICARPHA, Nees.

- 534 *subsquarrosa*, Nees. Usually growing with 529, but is uncommon.

ELEOCHARIS, R. Br.

- 535 *obtus*a, Schultes. Common in shallow ponds.
 536 *compressa*, Sullivant. Sloughs and slow streams.
 537 *acicularis*, R. Br. Marshes; very abundant.

SCIRPUS, L. Bulrush.

- 538 *validus*, Vahl. Missouri river bottoms.
 539 *atrovirens*, Muhl. In low boggy ground.
 540 *Eriophorum*, Mx. Wet prairies and marshes.

CAREX, L. Sedge.

- 541 *Steudelii*, Kunth. Meadows; very common.
 542 *vulpinoidea*, Mx. Wet ground.
 543 *sparganioides*, Muhl. Dry rocky hills.
 544 *cephalophora*, Muhl. Woods.
 545 *rosea*, Schk. Fields and pastures
 546 *lagopodioides*, Schk. Moist cop-
 ses; unfrequent.
 547 *straminea*, Schk. Wooded hills.
 548 *Shortiana*, Dew. Very wet
 ground; common.
 549 *grisea*, Wahl. Borders of woods.
 550 *Davisii*, Schw. and Torr. Damp
 thickets.
 551 *laxiflora*, Lam. Hills and mead-
 ows.
 552 *oligocarpa*, Schk. Moist open
 woods; not rare.
 553 *pubescens*, Muhl. Thickets
 along streams.
 554 *lupulina*, Muhl. Common about
 streams.
 555 *stenolepis*, Torr. Very common
 in marshes.
 556 *Vaseyi*, Dew. Sloughs and
 ponds; not frequent.

GRAMINEÆ.

(Grass Family.)

LEERSIA, Solander. White Grass.

- 557 *Virginica*, Willd. Low ground; not uncommon.

- 558 *oryzoides*, Swartz. Bogs and marshes; rather scarce. (Eu.)

PHLEUM, L. Timothy.

- 559 *pratense*, L. Fields; cultivated for hay. (Nat. from Eu.)

VILFA, Adans. Rush Grass.

- 560 *aspera*, Beauv. Common in yards and rich soil.

- 561 *vaginæflora*, Torr. Dry sterile soil.

AGROSTIS, L. Bent Grass. Red-top.

- 562 *vulgaris*, With. Meadows; commonly cultivated. (Eu.)

- 563 *alba*, L. This and the above are valuable forage grasses. (Eu.)

MUHLENBERGIA, Schreber. Dropseed Grass.

- 564 *glomerata*, Trin. Dry, rocky hills; common.

ARISTIDA, L.

- 565 *oligantha*, Mx. Very poor, dry soil.

SPARTINA, Schreber. Cord Grass.

- 566 *cynosuroides*, Willd. Bottoms and low grounds.

BOUTELOUA, Lagasca. Muskit Grass.

- 567 *curtipendula*, Gray. Rocky and very dry soil.

ELEUSINE, Gært. Crab Grass.

- 568 *Indica*, Gært. Waste ground; very common. (Nat. from Ind.)

TRICUSPIS, Beauv.

- 569 *seslerioides*, Torr. Borders of woods, in dry soil.

DACTYLIS, L. Orchard Grass.

- 570 *glomerata*, L. Yards, etc.; cultivated for hay. (Nat. from Eu.)

MELICA, L.

- 571 *mutica*, Walt. Sandy soil along bluffs.

GLYCERIA, R. Br. Manna Grass.

- 572 *Canadensis*, Trin. Moist or wet ground; common.

POA, L. Blue Grass.

- 573 *pratensis*, L. Common everywhere, but naturalized. (Eu.)

ERAGROSTIS, Beauv.

- 574 *pectinacea*, Gray. Fields and yards; very common.

BROMUS, L. Chess or Cheat.

- 575 *secalinus*, L. Wheat fields, where it is often taken for degenerated wheat, but a close inspec-

- tion will prove to the contra
(Adv. from Eu.)
- 576 *racemosus*, L. With the preced-
ing. (Adv. from Eu.)
- 577 *ciliatus*, L. Open woods and
hills; not common.
- UNIOLA, L. Spike Grass.
- 578 *latifolia*, Mx. Rocky hills and
copses.
- ELYMUS, L. Wild Rye.
- 579 *Canadensis*, L. Rich soil along
streams.
- 580 *Sibiricus*, L. Bottom lands; not
frequent. (Eu.)
- 581 *striatus*, Willd. Banks of streams
- 582 *Var. villosus*, Gray, With the
above.
- GYMNOSTICHUM, Schreb. Bottlebrush
Grass.
- 583 *Hystris*, Schreb. Moist shaded
hills; frequent.
- PHALARIS, L. Canary Grass.
- 584 *Canariensis*, L. Yards; rare.
(Adv. from Eu.)
- PANICUM, L. Panic Grass.
- 585 *sanguinale*, L. Cultivated fields.
(Nat. from Eu.)
- 586 *capillare*, L. Fields and culti-
vated ground.
- 587 *virgatum*, L. Damp ground along
brooks.
- 588 *Crus-galli*, L. Waste ground.
(Nat. from Eu.)
- SETARIA, Beauv. Foxtail Grass.
- 589 *verticillata*, Beauv. About yards.
(Adv. from Eu.)
- 590 *glauca*, Beauv. Common in corn-
fields. (Adv. from Eu.)
- 591 *viridis*, Beauv. Fields and mead-
ows. (Adv. from Eu.)
- 592 *Italica*, Kunth. Millet. Fields;
commonly cultivated. (Adv.
from Eu.)
- CENCHRUS, L. Bur Grass.
- 593 *tribuloides*, L. A pest to farm-
ers; common.
- TRIPSACUM, L. Gama Grass.
- 594 *dactyloides*, L. A very tall grass
on prairies.
- ANDROPOGON, L. Beard Grass.
- 595 *furcatus*, Muhl. Rocky hills; not
frequent.
- 596 *scoparius*, Mx. Dry prairies;
common.
- SORGHUM, Pers. Broom Corn.
- 597 *nutans*, Gray. Hills and mottes.

SERIES II.

CRYPTOGAMOUS OR FLOWERLESS PLANTS.

CLASS III.—ACROGENS.

EQUISETACEÆ.

(Horsetail Family.)

- EQUISETUM, L. Horsetail. Rush.
- 598 *arvense*, L. Common along
streams.
- 599 *robustum*, Braun. In water ev-
erywhere.

FILICACEÆ.

(Fern Family.)

- ADIANTUM, L. Maidenhair.
- 600 *pedatum*, L. Rich shaded slopes.
- PELLÆA, Link. Cliff Brake.
- 601 *atropurpurea*, Link. Limestone
ledges.
- ASPLENIUM, L. Spleenwort.
- 602 *angustifolium*, Mx. Deep shaded
woods.
- CAMPTOSORUS, Link. Walking Leaf.
- 603 *rhizophyllus*, Link. North ern
sides of limestone bluffs.
- ASPIDIUM, Swartz. Wood Fern.
- 604 *acrostichoides*, Swartz. Shaded
hillsides; common.
- CYSTOPTERIS, Bernhardt. Bladder Fern.
- 605 *fragilis*, Bernh. Rocky knolls;
very common. (Eu.)
- ONOCLEA, L. Sensitive Fern.
- 606 *sensibilis*, L. Moist ground along
streams.
- WOODSIA, R. Brown.
- 607 *obtusata*, Torr. Rocky slopes.
- BOTRYCHIUM, Swartz. Moonwort.
- 608 *Virginicum*, Swartz. Deep shaded
woods. (Eu.)
- OPHTHOGLOSSUM, L. Adder's Tongue.
- 609 *vulgatum*, L. Dry rocky hills;
not rare. (Eu.)



FLORA

—OF—

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BY FRANK BUSH.

FIRST EDITION.

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ERRATA.

- Page 9, No. 161, for "Lutetiana," read Lutetiana.
 " 9, " 165. for "steams" read streams.
 " 9, " 167, for "Ammonia" read Ammania.
 " 11, " 180. for "Raff." read Raf.
 " 10, " 195 should read 185.
 " 10, " 191, for "cireæzans" read cireazans.
 " 10, " 193, for "Gaern" read Gærtn.
 " 10, " 201, for "eupatoroides" read eupatorioides.
 " 11, " 222, for "dracunculoides" read dracunculoides.
 " 11, " 252, for "trachelifolius" read tracheliifolius.
 " 12, " 283, for "Dens-conis" read Dens-leonis.
 " 12, " 292, for "leptostachya" read leptostachys.
 " 17, " 469, for "Jualans" read Juglans.



REPORT ON THE FLORA OF JACKSON COUNTY.

INTRODUCTION.

No account of the Flora of Jackson County ever having been given, I was solicited by my friends to publish a list of the plants I had found growing without cultivation in the county.

It was not my intention, at first, to commence so laborious a work as the determination of all our native plants, but a simple check list for the benefit of my exchanges; and indeed I do not claim much more for the work, as I am sure that there are many more plants yet undiscovered, which will necessitate the publication of other editions, as more matter accumulates.

My intention was, upon deciding to publish the Flora, to include nothing but such as had been collected or examined by myself, and I have adhered to it throughout.

Since the year '53, when Mr. F. Creutzfeldt made a collection in the vicinity of Westport, no one has ever, to the best of our knowledge, collected any plants in the county; therefore I am compelled to rely almost wholly upon my own investigations for so thorough a work as the enumeration of all the indigenous and naturalized plants of the county.

Bounded on the north by that great affluent of the Mississippi, it extends southward twenty-three miles, with a breadth of twenty-seven miles, making an area of six hundred and twelve square miles in the county. On the north we have the low alluvial bottoms along the Missouri, where the Polygonums thrive. On the east a low flat prairie, generally covered with water, where Water-Lilies have their habitat. On the south a high undulating prairie, dotted with oak mottes, abounding with Asters, Solidagoes and other prairie plants. On the west a ridge of high, broken hills, the remains of the glacial period, upon which are found those species of plants that inhabit dry sterile soil.

It is intersected by numerous small streams, and the two Blues. One, the larger, flows northeast through the whole length of the county, and empties into the Missouri between Independence and Kansas City; the smaller rises in the southern part of the county and flows north into the same river.

The county is also intersected by three railways, one of which extends from the Western to the Eastern confines of the county; another extends to St. Louis, while the third reaches the shores of the great lakes. Half a score of other roads concentrate in Kansas City from all parts of the country—from the waters of the Pacific to the shores of the Atlantic.

We should therefore expect that the Flora would be greatly enlarged by seeds being deposited on the banks of the Missouri River, and sown along the lines of those great transfers, the railroads. In this, however, we are disap-

pointed, for very few plants have been introduced by the means above mentioned.

During my three years collecting, I have detected 597 flowering plants, and twelve ferns and their allies, of which 522 are known to be indigenous, and are without indication in the Flora or with the term (Eu.) occasionally following, denoting that they are also indigenous to Europe. The remaining eighty-seven are either naturalized, and are indicated thus: (Nat. from Eu.), which denotes that they came from Europe, but are now propagating themselves freely without cultivation, and are fully established,—or are adventive, when they are so marked: (Adv. from Eu.), to indicate that they are not propagating themselves with such freedom as to be considered as fully established.

As will be seen, our Flora is devoid of Club-mosses, Pines, Spruces and Heaths, contains but few Lilies, Orchids, Polemoniums and Ferns, while it is very rich in Composites, Labiates, Figworts and Solanums. The absence of the Pine family is to be deplored, as there are but few trees that compare with the Firs and Pines in symmetry and freshness. The others being less ornamental, and of course less conspicuous, are not so much missed.

Half a century ago Jackson county was almost uninhabited, save by fierce and warlike tribes of Indians. Then there were no naturalized plants, no "weeds," and the indigenous plants grew and thrived without molestation.

But as the tide of immigration set in from the East, one by one the native plants disappeared, the rarer ones first, and as the county became more settled, and the cultivation of fields commenced, they rapidly vanished, to be followed up by a multitude of weeds.

As the county becomes more settled and the area of cultivated fields increase, the number of indigenous plants will become less, and, correspondingly, the number of naturalized plants will become greater. So that after a time, the number of years a county has been settled may be indicated by the number of weeds it contains; every few years witnessing the extinction of one of our native, and the appearance of some naturalized plants.

In arranging the material for this Flora, I have followed the arrangement of Gray's Manual, adopting the nomenclature contained therein, with a few exceptions, and then only where recent changes have been made, and which want of space forbids me mention.

I shall be pleased to note any correction, alteration or addition, that those who use this little work may make, either in regard to the name, number or locality of any plant it contains, or the discovery of any new species; all such should be communicated to me as soon as possible, in view of another edition the coming year.

In the determination of many of our plants, I have been materially assisted by PROF. F. L. HARVEY, of Fayetteville, Arkansas, and DR. GEORGE ENGELMANN, of St. Louis, Mo., to whom, I am under special obligations.

To those friends who have generously supported me in my botanical pursuits, I return my hearty thanks.

Hoping that my feeble efforts, in this new field for me, will have some little appreciation, I beg to remain,

Yours very truly,

FRANK BUSH.

CATALOGUE OF PLANTS.

SERIES I.

PHENOGAMOUS OR FLOWERING PLANTS.

CLASS I.—DICOTYLEDONOUS OR EXOGENOUS PLANTS.

RANUNCULACEÆ.

(Crowfoot Family.)

- CLEMATIS, L. Virgin's Bower.
1 Pitcheri, Torr. and Gray. Rocky hills; not very common.
ANEMONE, L. Wind Flower.
2 Virginiana, L. Woodlands.
3 Pennsylvanica, L. Dry sandy soil; very common.
THALICTRUM, Tourn. Meadow Rue.
4 Cornuti, L. Borders of woods; not common.
RANUNCULUS, L. Buttercup. Crowfoot.
5 multifidus, Pursh. Standing water; frequent.
6 abortivus, L. Very common in meadows.
7 Var. micranthus, Gray. More common than the last.
8 Pennsylvanicus, L. Very wet places; not common.
9 fascicularis, Muhl. Along the Blue rivers.
10 repens, L. Hillsides bordering on streams. (Eu.)
MYOSURUS, Dill. Mouse Tail.
11 minimus, L. Rivulets and moist banks. (Eu.)
ISOPYRUM, L.
12 biternatum, Torr. and Gray. Open glades everywhere.
AQUILEGIA, Tourn. Wild Columbine.
13 Canadensis, L. Moist rocks; very common.
DELPHINIUM, Tourn. Larkspur.
14 tricornis, Michx. Dry ground and hills.
15 azureum, Michx. Our plant has white flowers.
16 Ajacis, L. Spontaneous along railroads. (Adv. from Eu.)
NIGELLA, L. Fennel Flower.
17 Damascena, L. Becoming spon-

taneous in meadows. (Adv. from Eu.)

ANONACEÆ.

(Custard-Apple Family.)

- ASIMINA, Adans. Papaw.
18 triloba, Dunal. Common shrub, with its well-known fruit.

MENISPERMACEÆ.

(Moonseed Family.)

- MENISPERMUM, L. Moonseed.
19 Canadense, L. Yellow Parilla. Very frequent.

BERBERIDACEÆ.

(Barberry Family.)

- PODOPHYLLUM, L. Mandrake.
20 peltatum, L. May Apple. Woods; common.

NYMPHÆACEÆ.

(Water Lily Family.)

- NELUMBium, Juss. Sacred Bean.
21 luteum, Willd. Water Chinquepin. Water near Buckner.

PAPAVERACEÆ.

(Poppy Family.)

- ARGEMONE, L. Prickly Poppy.
22 Mexicana, L. Mexican Poppy. Waste places, near dwellings. (Adv. from trop. Amer.)
23 Var. albiflora, DC. Fields and roadsides; common. (Adv. from trop. Amer.)
SANGUINARIA, Dill. Blood Root.
24 Canadensis, L. High bluffs along the Missouri river.

FUMARIACEÆ.

(Fumitory Family.)

- DICENTRA, Bork.
25 Cucullaria, DC. Dutchman's

Breches. Moist ground.

CORYDALIS, Vent.

26 flavula, Raf. Hills and shady ravines.

CRUCIFERÆ.

(Mustard Family.)

NASTURTIUM, R. Br. Water Cress.

27 sinuatum, Nutt. River bottoms and sandy soil.

28 sessiliflorum, Nutt. Banks of streams; not rare.

29 obtusum, Nutt. Watered ground; common.

DENTARIA, L. Pepper Root.

30 laciniata, Muhl. Shaded woods.

CARDAMINE, L. Bitter Cress.

31 hirsuta, L. Wet meadows. (Eu.)

ARABIS, L. Rock Cress.

32 dentata, Torr. and Gray. Streams and rivulets.

33 Canadensis, L. Dry rocky hills; common.

34 hesperidoides, Gray. Along the Blue rivers.

SISYMBRIUM, L. Hedge Mustard.

35 officinale, Scop. A vile weed in yards. (Nat. from Eu.)

36 canescens, Nutt. Tansy Mustard. Hillsides; not rare.

BRASSICA, Tourn. Mustard.

37 alba, Gray. Cultivated grounds; uncommon. (Adv. from Eu.)

38 nigra, Gray. Waste places. Thoroughly established. (Adv. from Eu.)

DRABA, L. Whitlow Grass.

39 Caroliniana, Walt., var. Micrantha, Gray. Somewhat rare.

CAPESELLA, Vent. Shepherd's Purse.

40 Bursa-Pastoris, Mönch. A weed by the wayside (Nat. from Eu.)

LEPIDIUM, L. Peppergrass.

41 Virginicum, L. One of the commonest weeds.

VIOLACEÆ.

(Violet Family.)

SOLEA, DC. Green Violet.

42 concolor, Ging. Deep rich woods; frequent.

VIOLA, L. Violet.

43 primulæfolia, L. Moist ground.

44 cucullata, Ait. Our commonest species.

45 pubescens, Ait. Rich woods, not very common.

46 tricolor, L., var. arvensis, Ging.

Fence rows; common. (Nat. from Eu.)

HYPERICACEÆ.

(St. John's Wort Family.)

HYPERICUM, L. St. John's Wort.

47 pyramidatum, Ait. Rare. Only four plants known.

48 adpressum, Barton. Damp rocky hills.

49 corymbosum, Muhl. Springy places. Common.

CARYOPHYLLACEÆ.

(Pink Family.)

SAPONARIA, L. Soapwort.

50 officinalis, L. Bouncing Bet. Road-sides. Common. (Adv. from Eu.)

SILENE, L. Catchfly.

51 stellata, Ait. Starry Champion. Banks of streams.

52 antirrhina, L. Sleepy Catchfly. Dry rocky ground.

LYCHNIS, Tourn. Cockle.

53 Githago, Lam. Corn Cockle. Wheat fields. Frequent. (Adv. from Eu.)

ARENARIA, L. Sandwort.

54 patula, Michx. Rocky ledges. Not very common.

CERASTIUM, L. Mouse-ear Chickweed.

55 viscosum, L. A weed in pastures. (Nat. from Eu.)

56 nutans, Raf. Moist open woods. Not rare.

ANYCHIA, Michx. Forked Chickweed.

57 dichotoma, Michx. Wooded hillsides. Common.

MOLLUGO, L. Indian Chickweed.

58 verticillata, L. Carpet weed. Alluvial soil.

PORTULACACEÆ.

(Purslane Family.)

PORTULACA, Tourn. Purslane.

59 oleracea, L. A well-known weed. (Nat. from Eu.)

CLAYTONIA, L. Spring beautv.

60 Virginica, L. Moist, shaded hillsides; common.

MALVACEÆ.

(Mallow Family.)

MALVA, L. Mallow.

61 rotundifolia, L. Very common in yards. (Adv. from Eu.)

62 sylvestris, L. Occurring along fences. (Adv. from Eu.)

- 63 *crispa*, L. Escaped from old gardens. (Adv. from Eu.)
 MALVASTRUM, Gray. False Mallow.
 64 *angustum*, Gray. Dry rocky hills; not rare.
 SIDA, L.
 65 *spinosa*, L. A common roadside weed. (Nat. from trop. Amer.)
 ABUTILON, Tourn. Indian Mallow
 66 *Arizena*, Gaertn. Cotton weed. Velvet leaf; common. (Adv. from India)
 HIBISCUS, L. Rose Mallow.
 67 *militaris*, Cav. Island in Missouri river; not abundant.
 68 *Trionum*, L. Flower-of-an-hour. Streets of towns.

TILIACEAE.

(Linden Family.)

- TILIA, L. Linden. Basswood.
 69 *Americana*, L. The Linn is a very well known tree.

LINACEAE.

(Flax Family.)

- LINUM, L. Flax.
 70 *usitatissimum*, L. Common Flax. Along railroads. (Adv. from Eu.)

GERANIACEAE.

(Geranium Family.)

- GERANIUM, L. Cranesbill.
 71 *maculatum*, L. Rich woods. Cultivated.
 72 *Carolinianum*, L. Dry pastures and fields.
 IMPATIENS, L. Balsam. Jewel-weed.
 73 *pallida*, Nutt. Touch-me-not. Along streams.
 74 *fulva*, Nutt. Damp rocks along bluffs.
 OXALIS, L. Wood Sorrel.
 75 *violacea*, L. Rocky hills; not common.
 76 *stricta*, L. Fields and pastures; very common.

RUTACEAE.

(Rue Family.)

- XANTHOXYLUM, Colden. Prickly Ash.
 77 *Americanum*, Mill. Toothache tree. Rocky ground.

SIMARUBACEAE.

(Simaruba Family.)

- AILANTUS, Desf. Tree of Heaven.
 78 *glandulosus*, Desf. Is spontaneous

around dwellings. (Adv. from China.)

ANACARDIACEAE.

(Cashew Family.)

- RHUS, L. Sumach.
 79 *glabra*, L. Common in poor hilly soil.
 80 *copallina*. Dry ground; not so common as the last.
 81 *Toxicodendron*, L. Poison Oak. Very poisonous to the touch.
 82 *aromatica*, Ait. Rocks; never very common.

VITACEAE.

(Vine Family.)

- VITIS, Tourn. Grape.
 83 *aestivalis*, Michx. Summer Grape. Common.
 84 *cordifolia*, Michx. Winter Grape. River banks.
 85 *riparia*, Michx. Fox Grape. Not common.
 86 *indivisa*, Willd.
 AMPELOPSIS, Mx. Virginian Creeper.
 87 *quinquefolia*, Michx. American Ivy. Common in cultivation.

RHAMNACEAE.

(Buckthorn Family.)

- RHAMNUS, Tourn. Buckthorn.
 88 *laeaeolatus*, Pursh. A tall willowy shrub, on rocks.
 CEANOTHUS, L. Red-root.
 89 *Americanus*, L. New Jersey Tea. Dry rocky grounds.

CELASTRACEAE.

(Staff-tree Family.)

- CELASTRUS, L. Staff-tree.
 90 *scandens*, L. Bitter-sweet. Thickets. Also cultivated.
 EUONYMUS, Tourn. Spindle-tree.
 91 *atropurpureus*, Jacq. Burning Bush. Fine ornamental shrub; cultivated extensively.

SAPINDACEAE.

(Soapberry Family.)

- STAPHYLEA, L. Bladder Nut.
 92 *trifolia*, L. Along streams; frequent.
 AESCULUS, L. Horse Chestnut.
 93 *glabra*, Willd. Buckeye. River banks and bottoms.
 ACER, Tourn. Maple.
 94 *saccharinum*, Wang. Sugar Maple. Deep woods; common.

- 95 *dasycarpum*, Ehrhart. Silver Maple. Streams; cultivated as a shade tree.
- NEGUNDO, Moench. Box Elder.
- 96 *aceroides*, Moench. Rich soil along streams; also cultivated.
- POLYGALACEAE.**
(Milkwort Family.)
- POLYGALA, Tourn. Milkwort.
- 97 *ambigua*, Nutt. Dry rocky ground; uncommon.
- LEGUMINOSAE.**
(Pulse Family.)
- CROTALARIA, L. Rattle Box.
- 98 *sagittalis*, L. Dry sandy soil; on prairies.
- TRIFOLIUM, L. Clover.
- 99 *pratense*, L. Red Clover. Escaped from cultivation. (Adv. from Eu.)
- 100 *stoloniferum*, Muhl. Running Buffalo Clover; very common.
- MELILOTUS, Tourn. Sweet Clover.
- 101 *alba*, Lam. Melilot. Streets of Independence and Kansas City. (Adv. from Eu.)
- MEDICAGO, L. Medick.
- 102 *sativa*, L. Lucerne. Spontaneous about gardens. (Adv. from Eu.)
- PETALOSTEMON, Michx. Prairie Clover.
- 103 *violaceus*, Michx. Dry prairies everywhere.
- 104 *candidus*, Mx. Habitat as above.
- AMORPHA, L. False Indigo.
- 105 *fruticosa*, L. Rocky shores of streams; very common.
- 106 *canescens*, Nutt. Lead Plant. Moist rocky clefts. Not as common as the other.
- ROBINIA, L. Locust-tree.
- 107 *Pseudacacia*, L. Rich soil; evidently naturalized.
- ASTRAGALUS, L. Milk Vetch.
- 108 *Canadensis*, L. Rocky banks along rivers.
- DESMODIUM, DC. Tick Trefoil.
- 109 *acuminatum*, DC. Common in rich woods.
- 110 *canescens*, DC. A pestiferous weed in damp soil.
- 111 *Dillenii*, Darlingt. Very common
- 112 *paniculatum*, DC. Wood openings.
- 113 *sessilifolium*, Torr. and Gray. Dry sandy prairies.
- 114 *Marilandicum*, Boott. Hills on the Blue.
- LESPEDEZA, Mich. Bush Clover.
- 115 *violacea*, Pers. Sandy hills; frequent.
- 116 Var. *divergens*, Gray. Rather common.
- 117 Var. *angustifolia*, Gray. Rare.
- 118 *capitata*, Michx. Dry prairies.
- VICIA, Tourn. Vetch Tare.
- 119 *Americana*, Muhl. Moist rocky hills.
- APIOS, Boerhaave. Wild Bean.
- 120 *tuberosa*, Moench. Seldom flowering here.
- PHASEOLUS, L. Kidney Bean.
- 121 *diversifolius*, Pers. Our plant seems to be perennial.
- AMPHICARPEA, Ell. Hog Pea-nut.
- 122 *monica*, Nutt. Wooded hills; frequent.
- BAPTISIA, Vent. False Indigo.
- 123 *leucantha*, Torr. and Gray. Low moist prairies.
- CERCIS, L. Judas-tree.
- 124 *Canadensis*, L. Red-bud. Rich soil; often cultivated.
- CASSIA, L. Senna.
- 125 *Marilandica*, L. Dry rocky ground; not common.
- 126 *Chamaecrista*, L. Sandy bottoms along rivers.
- GYMNOCLADUS, Lam. Coffee-bean.
- 127 *Canadensis*, Lam. Woods. A fine tree.
- GLEDITSCHIA, L. Honey Locust.
- 128 *triacanthos*, L. A fine large tree with or without thorns.
- DESMANTHUS, Willd.
- 129 *brachylobus*, Benth. Banks of streams; rather scarce.
- SCHRANKIA, Willd. Sensitive Plant.
- 130 *uncinata*, Willd. Dry sandy hills and prairies.
- ROSACEAE.**
(Rose Family.)
- PRUNUS, Tourn. Plum.
- 131 *Americana*, Marshall. Wild red plum. Very common.
- 132 *Pennsylvanica*, L. Wild red cherry. A well known tree.
- SPIRÆA, L. Meadow-sweet.
- 133 *opulifolia*, L. Nine bark. Banks of the Missouri.
- AGRIMONIA, Tourn. Agrimony.
- 134 *Eupatoria*, L. Woodlands; common. [Eu.]
- 135 *parviflora*, Ait. Prairies and glades.
- GEUM, L. Avens.

- 136 album, Gmelin. Damp rocks and soil; common.
 137 Virginianum, L. Wood openings; frequent.
POTENTILLA, L. Cinque Foil.
 138 Norvegica, L. A weed in fields and yards. [Eu.]
 139 paradoxa, Nutt. Banks of the Missouri.
 140 Canadensis, L. Five Finger. Dry fields; very common.
FRAGARIA, Tourn. Strawberry.
 141 Virginiana, Ehrhart., var. Illinoensis, Gray. Fields; very common.
RUBUS, Bramble.
 142 occidentalis, L. Raspberry. Common in rich soil.
 143 villosus, L. Blackberry. Found everywhere.
 144 Canadensis, L. Dewberry. Sterile hills.
ROSA, Tourn. Rose.
 145 setigera, Mx. Thickets; common.
 146 Carolina, L. Very common in low grounds.
 147 lucida, Ehrhart. Dry, rocky hillsides.
CRATÆGUS, L. Hawthorn.
 148 tomentosa, L. Very common, and runs into
 149 Var. pyrifolia, Gray. The most common here.
 150 Var. punctata, Gray. Not frequent.
 151 subvillosa, Schrader. Resembles the last, but fruits much later.
 152 Crus-galli, L. Streams, etc.; common.
PIRUS, L. Pear, Apple.
 153 coronaria, L. Common Crab Apple; hills.
 154 angustifolia, Ait. Frequent.
AMELANCHIER, Medic. June Berry.
 155 alnifolia, Nutt. Not common.
 156 Canadensis, Torr. and Gray. On bluffs of the Missouri.

SAXIFRAGACEÆ.

(Saxifrage Family.)

- RIBES**, L. Gooseberry.
 157 rotundifolium, Mx. Very common, throughout.

CRASSULACEÆ.

(Orpine Family.)

- PENTHURUM**, Gronov. Ditch Stone-Crop.
 158 sedoides, L. Springs and moist

ground.

- SEDUM**, Tourn. Stone Crop.
 159 pulchellum, Mx. Rocky ledges; common.

HALORAGACEÆ.

(Water Milfoil Family.)

- MYRIOPHYLLUM**, Vaill. Water Milfoil.
 160 scabratum, Mx. Shallow lakes and ponds.

ORAGRACEÆ.

(Evening Primrose Family.)

- CIRCEA**, Tourn. Enchanter's Nightshade.
 161 Lutetiana, L. Moist wooded hills. (Eu.)

GAURA, L.

- 162 biennis, L. Dry, sandy soil; not common.

ENOTHERA, L. Evening Primrose.

- 163 biennis, L. Old fields; very common.

- 164 fruticosa, L. Rich soil; frequent.

LUDWIGIA, L. False Loosestrife.

- 165 alternifolia, L. Not uncommon along streams.

- 166 palustris, Ell. Ditches and ponds. (Eu.)

LYTHRACEÆ.

(Loosestrife Family.)

AMMONIA, Houston.

- 167 latifolia, L. Muddy places; rather common.

LYTHRUM, L. Loosestrife.

- 168 alatum, Pursh. Wet prairies; common.

CUPHEA, Jacq.

- 169 viscosissima, Jacq. Rocky hills; very common.

CACTACEÆ.

(Cactus Family.)

OPUNTIA, Tourn. Prickly Pear.

- 170 vulgaris, Mill. Common on rocks.

CUCURBITACEÆ.

(Gourd Family.)

SICYOS, L. One Seeded Star Cucumber.

- 171 angulatus, L. Along streams; cultivated.

ECHINOXYSTIS, Torr. and Gray. Wild Balsam Apple.

- 172 lobata, Torr. and Gray. River banks; cultivated for arbors.

UMBELLIFERÆ.

(Parsley Family.)

SANICULA, Tourn. Black Snakeroot.

- 173 *Canadensis*, L. Low ground; very common.
 ERYNGIUM, Tourn. Ervngo.
 174 *yuccaeifolium*, Michx. Prairies; very common.
 DAUCUS, Tourn. Carrot.
 175 *Carota*, L. Persistent in old fields. (Adv. from Eu.)
 PASTINACA, Tourn. Parsnip.
 176 *sativa*, L. Spontaneous in old fields. (Adv. from Eu.)
 CICUTA, L. Water Hemlock.
 177 *maculata*, L. Low ground; common.
 CRYPTOTÆNIA, DC. Honewort.
 178 *Canadensis*, DC. Frequent in moist places.
 CHÆROPHYLLUM, L. Chervil.
 179 *procumbens*, Lam. Moist woods; not common.
 OSMORRHIZA, Raff. Sweet Cicely.
 180 *longistylis*, DC. Deep woods; frequent.

CORNACEÆ.

(Dogwood Family.)

- CORNUS, Tourn. Dogwood.
 181 *paniculata*, L'Her. Banks of streams.

CAPRIFOLIACEÆ.

(Honeysuckle Family.)

- SYMPHORICARPUS, Dill. Snowberry.
 182 *vulgaris*, Mx. Coral Berry. Rocky hills.
 LONICERA, L. Honeysuckle.
 183 *parviflora*, Lam. High rocky bluffs along the Missouri.
 TRIOSTEUM, Horse Gentian.
 184 *perfoliatum*, L. Common on rocky hills.
 SAMBUCUS, Tourn. Elder.
 195 *Canadensis*, L. Fence rows; very common.
 VIBURNUM, L. Black Haw.
 186 *Lentago*, L. Sheep Berry. Rocks and banks of streams.

RUBIACEÆ.

(Madder Family.)

- GALIUM, L. Bedstraw.
 187 *Aparine*, L. Cleavers. Moist ground; very frequent. (Eu.)
 188 *concinnum*, Torr. and Gr. Copses; not rare.
 189 *trifidum*, L. Plentiful on wet prairies. (Eu.)
 190 *tritiorum*, Mx. Wooded hills; common.

- 191 *circæzans*, Mx. Moist ground everywhere.

CEPHALANTHUS, L. Button Bush.

- 192 *occidentalis*, L. Banks of Blue and other streams.

VALERIANACEÆ.

(Valerian Family.)

FEDIA, Gærn. Lamb Lettuce.

- 193 *radiata*, Mx. Wet prairies; not common.

COMPOSITÆ.

(Composite Family.)

VERNONIA, Schreb. Iron Weed.

- 194 *Noveboracensis*, Willd. Road-sides; very common.

- 195 *fasciculata*, Mx. River bottoms.

ELEPHANTOPUS, L. Elephant's foot.

- 196 *Carolinianus*, Willd. Dry hills; rare.

LIATRIS, Schreb. Blazing Star.

- 197 *squarrosa*, Willd. Very plenty on dry prairies.

- 198 *punctata*, Hook. Common on dry sandy prairies.

- 199 *scariosa*, Willd. Dry prairies; common.

- 200 *pycnostachya*, Michx. With the preceding.

KUHNIA, L.

- 201 *eupatoroides*, L. Dry sterile soil; very common.

EUPATORIUM, Tourn. Thoroughwort.

- 202 *purpureum*, L. Low grounds along streams.

- 203 *altissimum*, L. Very common on dry hills.

- 204 *perfoliatum*, L. Boneset. A well-known herb.

- 205 *ageratoides*, L. Rich soil along streams.

- 206 *aromaticum*, L. Low ground; not common.

ASTER, L. Starwort.

- 207 *lævis*, L. Banks and copses.

- 208 Var. *laevigatus*, Gray. Dry sterile hillsides.

- 209 Var. *cyaneus*, Gray. Borders of woods.

- 210 *azureus*, Lindl. Prairies and copses; common.

- 211 *Drummondii*, Lindl. Wooded hills; very abundant.

- 212 *ericoides*, L. Borders of fields and woods.

- 213 *multifloris*, Ait. Dry ground; common.

- 214 *paniculatus*, Lam. Fields and

- copses; common everywhere.
- 215 *tenuifolius*, L. Low bottoms along streams.
- 216 *oblongifolius*, Nutt. Dry, rocky cliffs along the Blues.
- 217 *Novae-Angliae*, L. Prairies and bottoms; frequent.
- ERIGERON, L. Fleabane.
- 218 *Canadense*, L. Horse Weed. Too common in fields. (Nat. in Eu.)
- 219 *Philadelphicum*, L. Meadows and woodlands.
- 220 *annuum*, Pers. A common weed in fields. (Nat. in Eu.)
- 221 *strigosum*, Muhl. With the last.
- AMPHIACHYSIS.
- 222 *dracunculoides*, DC. Very common on prairies about Lee's Summit.
- BOLTONIA, L'Her.
- 223 *glastifolia*, L'Her. Inundated bottoms of rivers.
- SOLIDAGO, L. Golden-rod.
- 224 *rigida*, L. Dry prairies; not uncommon.
- 225 *ulmifolia*, Muhl. Rocky hills; common.
- 226 *Missouriensis*, Nutt. With the preceding; not frequent.
- 227 *rupestris*, Raf. Poor soil along streams.
- 228 *Canadensis*, L. Very common everywhere.
- 129 *serotina*, Ait. Bottoms along the Missouri.
- 230 *gigantea*, Ait. A glabrate form of the above.
- 231 *lanceolata*, L. Prairies; very abundant.
- INULA, L. Elecampane.
- 232 *Helenium*, L. Rocky ground; escaped from cultivation.
- SILPHIUM, L. Rosin Weed.
- 233 *laciniatum*, L. Compass Plant. Prairies; common.
- 234 *integrifolium*, Mx. Dry sterile hills.
- 235 *perfoliatum*, L. Cup Plant. Streams.
- AMBROSIA, Tourn. Rag Weed.
- 236 *trifida*, L. Very common along streams.
- 237 *artemisiaefolia*, L. A common weed in fields.
- 238 *psilostachya*, DC. Dry barrens; not common.
- XANTHIUM, Tourn. Cocklebur.
- 239 *strumarium*, L. A vile weed in bottoms.
- ECLIPTA, L.
- 240 *procumbens*, Mx. Moist ground; frequent.
- HELIOPSIS, Pers. Oxeye.
- 241 *laevis*, Pers. Dry open ground; not rare.
- ECHINACEA, Mench. Purple Cone-flower.
- 242 *angustifolia*, DC. Common on dry prairies.
- RUDBECKIA, L. Cone-flower.
- 243 *laciniata*, L. Moist soil along rivers.
- 244 *subtomentosa*, Pursh. Frequent on prairies.
- 245 *triloba*, L. Dry fields; very common.
- 246 *speciosa*, Wenderoth. Dry hills and prairies.
- 247 *hirta*, L. A common weed in clover fields.
- LEPACHYS, Raf.
- 248 *pinnata*, Torr. and Gray. Dry rocky hills; frequent.
- HELIANTHUS, L. Sunflower.
- 249 *annuus*, L. About dwellings; escaped from cultivation. (Adv. from trop. Amer.)
- 250 *rigidus*, Desf. Common in dry open places.
- 251 *grosse-serratus*, Martens. Fence rows and along railroads.
- 252 *trachelifolius*, Willd. Dry sterile hills; common.
- 253 *tuberosus*, L. Artichoke. Fields and copses. (Adv from Eu.)
- ACTINOMERIS, Nutt.
- 254 *squarrosa*, Nutt. Rich soil along streams.
- COREOPSIS, L. Tickseed.
- 255 *tinctoria*, Nutt. Spontaneous along railroads. (Adv. from Eu.)
- 256 *tripteris*, L. Dry rocky hills; not frequent.
- 257 *aristosa*, Mx., var. *mutica*, Gray. Very low ground.
- BIDENS, L. Bur-Marigold.
- 258 *frondosa*, L. Moist ground along streams.
- 259 *connata*, Muhl. With the preceding.
- 260 *cernua*, L. Beds of rivulets (Eu.)
- 261 *chrysanthemoides*, Michx. Low river bottoms.
- 262 *bipinnata*, L. Spanish Needles. Wooded hills.
- DYSODIA, Cav. Fetid Marigold.
- 263 *chrysanthemoides*, Lag. A com-

- mon roadside weed.
HELENIUM, L. Sneezeweed.
 264 autumnale, L. Alluvial soil along streams.
MARUTA, Cass. May Weed.
 265 *Cotula*, DC. Dog Fennel. A well-known weed. (Nat. from Eu.)
ACHILLEA, L. Yarrow.
 266 Millefolium, L. Milfoil. Clover fields; common. (Eu.)
LEUCANTHEMUM, Tourn. Oxeye Daisy.
 267 *vulgare*, Lam. White Weed. Not very common. (Nat. from Eu.)
TANACETUM, L. Tansy.
 268 *vulgare*, L. About dwellings and along roadsides. (Adv. from Eu.)
ARTEMISIA, L. Wormwood.
 269 Ludoviciana, Nutt. Dry sandy banks; frequent.
 270 biennis, Willd. Roadsides and fields.
GRAPHALIMUM, L. Cudweed.
 271 polycephalum, Mx. Dry sterile fields; not common.
 272 uliginosum, L. Pastures and roadsides; frequent. (Eu.)
ANTENNARIA, Gaertn. Everlasting.
 273 plantaginifolia, Hook. Meadows and knolls.
ERECHTHITES, Raf. Fireweed.
 274 hieracifolia, Raf. Rich open woods; common.
CACALIA, Indian Plantain.
 275 atriplicifolia, L. Borders of deep woods.
 276 tuberosa, Nutt. Common on wet prairies.
SENECIO, L. Groundsel.
 277 lobatus, Pers. Butter-weed. Rich woods; uncommon.
 278 aureus, L. Frequent in sphagnum swamps.
CIRSIIUM, Tourn. Thistle.
 279 lanceolatum, Scop. Fields and roads; very common. (Nat. from Eu.)
 280 altissimum, Spreng. Wooded hills; not common.
LAPPA, Tourn.
 281 *officinalis*, Allioni. Moist places about springs. (Nat. from Eu.)
NABALUS, Cass. Rattlesnake Root.
 282 aspera, Torr. and Gr. Dry barrens and along railroads.
TARAXACUM, Haller. Dandelion.
 283 Dens-conis, Desf. A common weed in pastures. (Eu.)
LACTUCA, Tourn. Lettuce.

- 284 Canadensis, L. Fields; common.
 285 Var. integrifolia, Torr. and Gr. Similar situation as above.
 286 Var. sanguinea, Torr. and Gray. Dry sterile hills.
MULGEDIUM, Cass. Blue Lettuce.
 287 acuminatum, DC. Fields and pastures.
 288 Floridanum, DC. Wooded hillsides.
SONCHUS, L. Sow Thistle.
 289 oleraceus, L. A very common weed in gardens. (Nat. from Eu.)
 290 asper, Vill. Fields and along railroads. (Nat. from Eu.)

LOBELIACEÆ.

(Lobelia Family.)

- LOBELIA**, L. Lobelia.
 291 syphilitica, L. Along streams.
 292 leptostachya, A. DC. Damp rocky hills.
 293 inflata, L. Indian Tobacco. Dry fields; common.

CAMPANULACEÆ.

(Campanula Family.)

- CAMPANULA**, Tourn. Bell Flower.
 294 Americana, L. Thickets and along streams.
SPECULARIA, Heister. Venus' Looking Glass.
 295 leptocarpa, Gray. Frequent on damp rocky hills.
 296 perfoliata, A. DC. Dry sterile hills; very common.

EBENACEÆ.

(Ebony Family.)

- DIOSPYROS**, L. Date Plum.
 297 Virginiana, L. Persimmon. Poor hilly soil.

PLANTAGINACEÆ.

(Plantain Family.)

- PLANTAGO**, L. Plantain.
 298 Major, L. About dwellings in damp soil.
 299 Virginica, L. Dry sterile fields; very common.
 300 Var. longifolia, Gray. Rich soil along streams.
 301 Patagonica, Jacq., Var. aristata, Gray. Barrens; not common.

PRIMULACEÆ.

(Primrose Family.)

- ANDROSACE**, Tourn.

- 302 *occidentalis*, Pursh. Dry sandy hills; frequent.
LYSIMACHIA, Tourn. Loosestrie.
 303 *ciliata*, L. Copses and along fences; common.
 304 *nummularia*, L. Moneywort. Near gardens. (Adv. from Eu.)
ANAGALLIS, Tourn. Pimpernel.
 305 *arensis*, L. Moist soil about dwellings. (Nat. from Eu.)

LENTIBULACEÆ.

(Bladderwort Family.)

- UTRICULARIA*, L. Bladderwort.
 306 *vulgaris*, L. Sloughs and deep ponds; common.

BIGNONIACEÆ.

(Bignonia Family.)

- CATALPA*, Scop. Indian Bean.
 307 *bignonioides*, Walt. Grows wild along roadsides, but was introduced.
MARTYNIA, L. Unicorn-plant.
 308 *proboscidea*, Glox. Low ground along streams.

SCROPHULARIACEÆ.

(Figwort Family.)

- VERBASCUM*, L. Mullein.
 309 *Thapsus*, L. A common weed in fields. (Nat. from Eu.)
 310 *Blattaria*, L. Frequent along roadsides; (Nat. from Eu.)
LINARIA, Tourn. Toad-flax.
 311 *vulgaris*, Mill. Streets; escaped from gardens. (Nat. from Eu.)
SCROPHULARIA, Tourn. Figwort.
 312 *nodosa*, L. Common along streams.
COLLINSIA, Nutt.
 313 *verna*, Nutt. Moist rich ground; not very common.
PENTSTEMON, Mitchell. Beard Tongue.
 314 *pubescens*, Solander. Dry ground; frequent.
 315 *laevigatus*, Solander. Var. *Digitalis*, Gray. Very common on wet prairies.
MIMULUS, L. Monkey Flower.
 316 *ringens*, L. Low bottoms; not very common.
 317 *alatus*, Ait. Rivulets; not rare.
CONOBEA, Aublet.
 318 *multifida*, Benth. Upper leaves usually ternate.
HERPESTIS, Gaertn.
 319 *rotundifolia*, Pursh. Muddy places; very frequent.

- GRATIOLA*, L. Hedge Hyssop.
 320 *sphaerocarpa*, Ell. Very wet places; uncommon.
LYSANTHES, Raf.
 321 *gratioloides*, Benth. Banks of Blue Rivers.
VERONICA, L. Speedwell.
 322 *Virginica*, L. Rich woods; rather common.
 323 *peregrina*, L. A weed in gardens.
 324 *arensis*, L. Rocky hills; plentiful. (Nat. from Eu.)

SEYMERIA, Pursh.

- 325 *macrophylla*, Nutt. Rocky streams; not common.

GERARDIA, L. Gerardia.

- 326 *auriculata*, Michx. Common on moist prairies.
 327 *Skinneriana*, Wood. Fields and openings.

PEDICULARIS, Tourn. Lousewort.

- 328 *Canadensis* L. High hills along the Blue rivers.

ACANTHACEÆ.

(Acanthus Family.)

RUCELLIA, L.

- 329 *ciliosa*, Pursh. Dry rocky soil; very common.
 330 Var. *longiflora*, Gray. With the preceding; not rare.

VERBENACEÆ.

(Vervain Family.)

VERBENA, L. Vervain.

- 331 *angustifolia*, Mx. Dry hills; very frequent.
 332 *hastata*, L. Low meadows; not common.
 333 *urticifolia*, L. A weed along waysides.
 334 *stricta*, Vent. With the preceding
 335 *bracteosa*, Mx. Yards and waste ground.
 336 *Aubletia*, L. Rocks and hills; rather common.

LIPPIA, L.

- 337 *lanceolata*, Mx. Common about springs and rills.

PHRYMA, L. Lopseed.

- 338 *Leptostachya*, L. Rich, moist woods; frequent.

LABIATÆ.

(Mint Family.)

TEUCRIUM, L. Germander.

- 339 *Canadensis*, L. Wood Sage. Very common.

ISANTHUS, Mx. False Pennyroyal.

- 340 *caeruleus*, Mx. Fields and woods; common.
- MENTHA, L. Mint.
- 341 *viridis*, L. Springs and streams. (Nat. from Eu.)
- 342 *piperita*, L. Along brooks and banks; uncommon. (Nat. from Eu.)
- 343 *Canadensis*, L. Commoner in springs than the
- 344 Var. *glabrata*, Benth. With the primary form.
- LYCOPUS, L. Water Horehound.
- 345 *Virginicus*, L. In water; frequent
- 346 *sinuatus*, Ell. Very common.
- RYCANTHEMUM, Mx. Mountain Mint.
- 347 *Torreyi*, Benth. Woods and knolls
- 348 *muticum*, Pers. var., *pilosum*, Gray. Borders of woods.
- 349 *linifolium*, Pursh. Brackish soil; very common.
- HEDEOMA, Pers. Mock Pennyroyal.
- 350 *pulegioides*, Pers. Hills and sterile ground.
- 351 *hispida*, Pursh. Barrens; very common.
- SALVIA, L. Sage.
- 352 *azurea*, Lam., var. *grandiflora*, Benth. Dry rocky soil.
- 353 *lanceolata*, Willd. Streets of towns; apparently introduced.
- MONARDA, L. Horse Mint.
- 354 *fistulosa*, L. Rich woods; very variable.
- 355 *Bradburiana*, Beck. Oak-openings; not common.
- BLEPHILIA, Raf.
- 356 *ciliata*, Raf. Woods and open fields; rare.
- 357 *hirsuta*, Benth. Deep woods; not rare.
- LOPHANTHUS, Benth. Giant Hyssop.
- 358 *nepetoides*, Benth. Abundant on wooded banks.
- 359 *scrophulariaefolius*, Benth. Copses and banks; not common.
- NEPETA, Cat Mint.
- 360 *Cataria*, L. Cat-nip. Common along fence rows. [Adv. from Eu.]
- 361 *Glechoma*, Benth. Ground Ivy. Rocky hillsides; common. (Adv. from Eu.)
- PHYSOSTEGIA, Benth. False Dragon-head.
362. *Virginiana*, Benth. Low bottoms of the Missouri.
- BRUNELLA, Tourn. Self-heal.
- 363 *vulgaris*, L. Heal-all. Very plenty along streams.
- SCUTELLARIA, L. Skull-cap.
- 364 *versicolor*, Nutt. Wooded banks; not very abundant.
- 365 *parvula*, Mx. Dry sandy prairies.
- 366 *lateriflora*, L. Wet banks and streams; very common.
- MARRUBIUM, L. Horehound.
- 367 *vulgare*, L. Roadsides and fields; common. (Nat. from Eu.)
- STACHYS, L. Hedge Nettle.
- 368 *aspera*, Mx. Low ground; the common form.
- 369 Var. *glabra*, Gray. Wet banks and pools; uncommon.
- LEONURUS, L. Motherwort.
- 370 *Cardiaca*, L. Streets and waste places. (Nat. from Eu.)
- BORRAGINACEÆ.
(Borage Family.)
- ONOSMODIUM, Mx. False Gromwell.
- 371 *Carolinianum*, DC. Dry rocky slopes.
- LITHOSPERMUM, Tourn. Gromwell.
- Puccoon.
- 372 *arvense*, L. Frequent in wheat fields. (Nat. from Eu.)
- 373 *hirtum*, Lehm. Common on high clayey hills.
- MERTENSIA, Roth. Smooth Lungwort.
- 374 *Virginica*, DC. Virginia Cowslip. Along streams.
- ECHINOSPERMUM, Swartz. Stone Seed.
- 375 *Virginicum*, Lehm. Woods and copses; common.
- CYNOGLOSSUM, Tourn. Hound's Tongue.
- 376 *officinale*, L. Meadows and fields; a vile weed. (Nat. from Eu.)
- HYDROPHYLLACEÆ.
(Waterleaf Family.)
- HYDROPHYLLUM, L. Waterleaf.
- 377 *Virginicum*, L. Common in damp woods.
- 378 *appendiculatum*, Mx. With the preceding.
- ELLISIA, L.
- 379 *Nyctelea*, L. Abundant along streams.
- POLEMONIACEÆ.
(Polemonium Family.)
- PHLOX, L. Phlox.
- 380 *pilosa*, L. Sweet William. Dry ground, common.
- CONVOLVULACEÆ.
(Convolvulus Family.)
- IPOMÆA, L. Morning Glory.

- 381 *coccinea*, L. Rich river bottoms; evidently indigenous.
 382 *purpurea*, Lam. Very common in cultivated ground.
 383 *hederacea*, Jacq. A weed in cultivated fields.
 384 *pandurata*, Meyer. Rich soil along streams.
 CONVULVULUS, L. Bindweed.
 385 *sepium*, L. Low ground; very common.
 CUSCUTA, Tourn. Dodder.
 386 *glomerata*, Choisy. Dry hills; on *Helianthus trachelifolius*.

SOLANACEÆ.

(Nightshade Family.)

- SOLANUM, Tourn.
 387 *Dulcamara*, L. Bittersweet. Streets and yards.
 388 *nigrum*, L. Common weed in fields.
 389 *Carolinense*, L. Horse Nettle. Pastures and roads.
 390 *rostratum*, Dunal. A vile weed on our streets.
 PHYSALIS, L. Ground Cherry.
 391 *Virginiana*, Mill. Very common in cultivated ground.
 392 *viscosa*, L. Fence rows and copses.
 393 *pubescens*, L. In damp rich soil; common.
 394 *lanceolata*, Mx. Frequent in light soil.
 395 *Var. lævigata*, Gray. Dry hills; rare.
 396 *Var. hirta*, Gray. On rocks mostly; not common.

NICANDRA, Adans. Apple of Peru.

- 397 *physaloides*, Gært. Old gardens and waste places. (Adv. from Peru.)

LYCIUM, L. Matrimony-vine.

- 398 *vulgare*, Dunal. Streets and yards; escaped from cultivation

DATURA, L. Jamestown-weed.

- 399 *Tatula*, L. Waysides and along streets. (Adv. from trop. Amer.)

- 400 *Stramonium*, L. With the preceding. (Adv. from Asia.)

GENTIANACEÆ.

(Gentian Family.)

GENTIANA, L. Gentian.

- 401 *alba*, Muhl. Dry wooded hills; not common.

- 402 *Andrewsii*, Griseb. Borders of

prairies, in oak mottes.

- 403 *puberula*, Mx. Common on dry prairies.

APOCYNACEÆ.

(Dogbane Family.)

APOCYNUM, Tourn. Dogbane.

- 404 *cannabinum*, L. Along streams; very variable.

ASCLEPIADACEÆ.

(Milkweed Family.)

ASCLEPIAS, L. Milkweed. Silkweed.

- 405 *Cornuti*, Decaisne. Common.

- 406 *purpurascens*, L. Wooded hillsides.

- 407 *incarnata*, L. Wet prairies; frequent.

- 408 *Meadii*, Torr. Common on low prairies.

- 409 *tuberosa*, L. Fields and meadows.

- 410 *tuberculata*, L. Moist ground along streams.

ENSLERIA, Nutt.

- 411 *albida*, Nutt. Sandy banks of the Missouri.

OLEACEÆ.

(Olive Family.)

FRAXINUS, Tourn. Ash.

- 412 *Americana*, L. White Ash. A well-known valuable tree.

ARISTOLOCHIACEÆ.

(Birthwort Family.)

ASARUM, Tourn. Wild Ginger.

- 413 *Canadense*, L. Rich woods along ravines.

ARISTOLOCHIA, Tourn. Birthwort.

- 414 *Serpentaria*, L. Newly cleared rich woods; never very common.

NYCTAGINACEÆ.

(Four-o'clock Family.)

OXYBAPHUS, Vahl.

- 415 *albidus*, Sweet. Frequent on dry rocky ledges.

PHYTOLACCACEÆ.

(Pokeweed Family.)

PHYTOLACCA, Tourn. Pokeweed.

- 416 *decandra*, L. Low rich ground along streams.

CHENOPODIACEÆ.

(Goosefoot Family.)

CHENOPODIUM, L. Goosefoot. Pigweed.

- 417 *album*, L. A common weed in cultivated ground. (Nat. from Eu.)

- 418 *viride*, L. With the preceding.
(Nat. from Eu.)
- 419 *murale*, L. Frequent about dwellings. (Adv. from Eu.)
- 420 *hybridum*, L. Common in manured ground. (Nat. from Eu.)
- 421 *Botrys*, L. Streets of towns; escaped from gardens. (Adv. from Eu.)
- 422 *ambrosioides*, L. Streets of Independence and Kansas City. (Nat. from trop. Amer.)
- 423 *anthelminticum*, L. Wormseed. Very common on the streets of Independence. (Nat. from trop. Amer.)

AMARANTACEÆ.

(Amaranth Family.)

AMARANTUS, Tourn. Amaranth.

- 424 *paniculatus*, L. Frequent about old gardens. (Adv. from trop. Amer.)
- 425 *retroflexus*, L. A weed in waste places. (Nat. from trop. Amer.)
- 426 *albus*, L. Common along roadsides. (Nat. from trop. Amer.)
- 427 *spinosus*, L. An abominable weed on the streets of Kansas City. (Nat. from trop. Amer.)
- 428 *viridis*, L. Streets and yards; not frequent. (Adv. from Eu.)

MONTELLA, Moquin.

- 429 *tamariscina*, Gray. Sandy shores of the Missouri.

POLYGONACEÆ.

(Buckwheat Family.)

POLYGONUM, L. Knotweed.

- 430 *orientale*, L. Prince's Feather. Along railroads; escaped from gardens. (Adv. from India.)
- 431 *Pennsylvanicum*, L. Common in waste grounds.
- 432 *incarnatum*, Ell. Low sandy bottoms along streams.
- 433 *Persicaria*, L. Lady's Thumb. Damp shady places. (Nat. from Eu.)
- 434 *Hydropiper*, L. Smartweed. About springs and along shaded brooks. (Eu.)
- 435 *acre*, H. B. K. With the preceding.
- 436 *hydropiperoides*, Mx. Brooks and rills; very common.
- 437 *Muhlenbergii*, Watson. Sandy bottoms along the Missouri.
- 438 *Virginianum*, L. In fields along fences; common.

- 439 *aviculare*, L. Yards about houses. (Eu.)

- 440 *erectum*, L. Similar situations as the above.

- 441 *dumetorum*, L., var. *scandens*, Gray. Thickets and copses.

FAGOPYRUM, Tourn. Buckwheat.

- 442 *esculentum*, Mœnch. Enduring for a while in old fields. (Adv. from Eu.)

RUMEX, L. Dock. Sorrel.

- 443 *altissimus*, Wood. Moist soil along streams.

- 444 *salicifolius*, Weinmann. Brackish streams.

- 445 *crispus*, L. A weed in waste ground. (Nat. from Eu.)

- 446 *acetosella*, L. Introduced from the East with wheat. (Nat. from Eu.)

EUPHORBIACEÆ.

(Spurge Family.)

EUPHORBIA, L. Spurge.

- 447 *maculata*, L. A common roadside weed.

- 448 *humistrata*, Engelm. Sandy soil along streams.

- 449 *hypericifolia*, L. Common in fields and along roads.

- 450 *marginata*, Pursh. Escaped from gardens. (Adv. from the west.)

- 451 *corollata*, L. Sandy or rocky soil; not very plenty.

- 452 *dentata*, Mx. Moist fields and fence rows.

- 453 *heterophylla*, L. Dry rocky slopes; frequent.

ACALYPHA, L. Three-seeded Mercury.

- 454 *Virginica*, L. Common weed in fields and meadows.

CROTON, L.

- 455 *capitatus*, Mx. Dry rocky ground; not very abundant.

- 456 *monanthogysus*, Mx. With the other; more common.

URTICACEÆ.

(Nettle Family.)

ULMUS, L. Elm.

- 457 *fulva*, Mich. Slippery Elm. Very well known.

- 458 *Americana*, L. White Elm. The commonest species.

- 459 *racemosa*, Thom. Corky White Elm. Very rare in this locality.

CELTIS, Tourn. Nettle-tree. Hackberry.

- 460 *occidentalis*, L. A very familiar tree.

- MORUS, Tourn. Mulberry.
 461 rubra, L. Common in rich woods.
 URTICA, Tourn. Nettle.
 462 gracilis, Ait. Moist ground in old fields.
 LAPORTEA, Gaudichaud. Wood Nettle.
 463 Canadensis, Gaudichaud. Moist soil along streams.
 PILEA, Lindl. Richweed. Clearweed.
 464 pumila, Gray. Moist rocks sloping to the North.
 PARIETARIA, Tourn. Pellitory.
 465 Pennsylvanica, Muhl. Base of rocky cliffs in the shade.
 CANNABIS, Tourn. Hemp.
 466 sativa, L. Waste grounds. (Adv. from Eu.)
 HUMULUS, L. Hop.
 467 lupulus, L. Deep soil along streams; common. (Eu.)

PLATANACEÆ.

(Plane Tree Family.)

- PLATANUS, L. Plane Tree. Button-wood.
 468 occidentalis, L. Sycamore. Mostly along streams.

JUGLANDACEÆ.

(Walnut Family.)

- JUGLANS, L. Walnut.
 469 nigra, L. A valuable timber tree.
 CARYA, Nutt. Hickory.
 470 alba, Nutt. Shell-bark. This is the principal tree of the genus.
 471 sulcata, Nutt. Hard-shell. A large tree but not valuable.
 472 tomentosa, Nutt. Mockernut. Hills along the Blues.
 473 porcina, Nutt. Pig-nut. Common everywhere.
 474 amara, Nutt. Bitter-nut. Very abundant.

CUPULIFERÆ.

(Oak Family.)

- QUERCUS, L. Oak.
 475 alba, L. A valuable lumber tree.
 476 macrocarpa, Mx. Quite plenty.
 477 Prinus, L. Dry sterile hills.
 478 Muhlenbergii, Engelm. Rich soil along streams.
 479 prinoides, Willd. Rocky hills; not common.
 480 imbricaria, Michx. Barren hills; frequent.
 481 nigra, L. Dry sandy hills.
 482 coccinea, Wang. With the preceding.
 483 rubra, L. Rich soil along streams
 484 palustris, Du Roi. Bottoms along rivers.
 CORYLUS, Tourn. Hazel-nut.
 485 Americana, Walt. Copses; very common.
 OSTRYA, Michx. Iron-wood.
 486 Virginica, Willd. Deep woods; not rare.

SALICACEÆ.

(Willow Family.)

- SALIX, Tourn. Willow. Osier.
 487 sericea, Marshall. Bottoms along the Missouri.
 488 petiolaris, Smith. Moist ground along branches.
 489 lucida, Muhl. Low grounds; very common.
 490 nigra, Marsh. Common in damp ravines.
 POPULUS, Tourn. Poplar. Aspen.
 491 monilifera, Ait. Cotton-wood. Rivers everywhere.
 492 angulata, Ait. Necklace Poplar. With the last.

CLASS II.—MONOCOTYLEDONOUS OR ENDOGENOUS PLANTS.

ARACEÆ.

(Arum Family.)

- ARISÆMA, Martius. Dragon Arum.
 493 triphyllum, Torr. Indian Turnip. Rich soil; common.
 494 Dracontium, Schott. Green Dragon. With the other.
 ACORUS, L. Sweet Flag.
 495 Calamus, L. Calamus. Margins of dark pools.

TYPHACEÆ.

(Cat-tail Family.)

- TYPHA, Tourn. Cat-tail Flag.
 496 angustifolia, L. Swamps everywhere.
 SPARGANIUM, Tourn. Bur-reed.
 497 eurycarpum, Engelm. Sloughs along the Blues.

NAIADACEÆ.

(Pondweed Family.)

POTAMOGETON, Tourn. Pondweed.

498 hybridus, Mx. Slow streams and ponds; common.

ALISMACEÆ.

(Water-Plantain Family.)

ALISMA, L. Water-Plantain.

499 Plantago, L., var. Americanum, Gray. Shallow lakes.

ECHINODORUS, Engelmann.

500 rostratus, Engelm. Inundated bottoms along the Missouri.

SAGITTARIA, L. Arrow-head.

501 variabilis, Engelm. In shallow ponds; common.

502 graminea, Mx. Muddy places; uncommon.

ORCHIDACEÆ.

(Orchis Family.)

SPIRANTHES, Richard. Ladies' Tresses.

503 graminea, Lindl., var. Walteri, Gray. Prairies.

POGONIA, Juss. Three-Birds.

504 pendula, Lindl. Bottom lands; very rare here.

APLECTRUM, Nutt. Putty-root.

505 hyemale, Nutt. Adam-and-Eve. Rich soil; rare.

AMARYLLIDACEÆ.

(Armoryllis Family.)

HYPOXYS, L. Star-grass.

506 erecta, L. Glades and open woods; common.

IRIDACEÆ.

(Iris Family.)

IRIS, L. Flower-de-Luce.

507 versicolor, L. Blue Flag. Swamps; very common.

508 cuprea, Pursh. Low ground about springs; frequent.

PARDANTHUS, Ker. Blackberry Lily.

509 *Chinensis*, Ker. About old gardens. (Adv. from China.)

SISYRINCHIUM, L. Blue-eyed Grass.

510 Bermudiana, L. All the different forms are very common.

DIOSCOREACEÆ.

(Yam Family.)

DIOSCOREA, Plumier. Yam.

511 villosa, L. Common in hazel copses.

SMILACEÆ.

(Smilax Family.)

SMILAX, Tourn. Catbrier.

512 rotundifolia, L. Greenbrier. Very common.

513 herbacea, L. Carrion-Flower. Fields and meadows.

LILIACEÆ.

(Lily Family.)

UVULARIA, L. Bellwort.

514 grandiflora, Smith. High bluffs along the Missouri.

SMILACINA, Desf. False Spikenard.

515 racemosa, Desf. Damp woods; not frequent.

POLYGONATUM, Tourn. Solomon's Seal.

516 biflorum, Ell. Banks of streams.

517 giganteum, Dietrich. Rich soil along ravines.

ASPARAGUS, L. Asparagus.

518 *officinalis*, L. Garden Asparagus. Escaped into copses. (Adv. from Eu.)

LILIUM, L. Lily.

519 superbum, L. Rich soil along streams; common in cultivation

ERYTHRONIUM, L. Dog's-tooth Violet.

520 albidum, Nutt. Cool shaded ravines. very abundant.

SCILLA, L. Squill.

521 Fraseri, Gray. High hills along Little Blue.

ALLIUM, L. Onion. Garlic.

522 stellatum, Nutt. Limestone ledges; very common.

523 Canadense, Kalm. Thickets and moist copses.

JUNCACEÆ.

(Rush Family.)

JUNCUS, L. Rush. Bogrush.

524 tenuis, Willd. Common along roadsides.

525 nodosus, L. In low sandy ground along streams.

526 Var. megacephalus, Torr. Shallow ponds.

PONTEDERACEÆ.

(Pickerelweed Family.)

HETERANTHERA, L. Mud Plantain.

527 limosa, Vahl. Very wet places; not very common.

COMMELYNACEÆ.

(Spiderwort Family.)

TRADESCANTIA, L. Spiderwort.

528 Virginica, L. Dry woods; a white form in gardens.

CYPERACEÆ.

(Sedge Family.)

CYPERUS, L. Galingale.

- 529 *diandrus*, Torr. Moist soil; not frequent.
- 530 *inflexus*, Muhl. Low sandy bottoms.
- 531 *acuminatus*, Torr. Along brooks; common.
- 532 *compressus*, L. Hills and fields; rare here.
- 533 *phymatodes*, Muhl. Moist sandy soil.
- HEMICARPHA, Nees.
- 534 *subsquarrosa*, Nees. Usually growing with 529, but is uncommon.
- ELEOCHARIS, R. Br.
- 535 *obtus*, Schultes. Common in shallow ponds.
- 536 *compressa*, Sullivan. Sloughs and slow streams.
- 537 *acicularis*, R. Br. Marshes; very abundant.
- SCIRPUS, L. Bulrush.
- 538 *validus*, Vahl. Missouri river bottoms.
- 539 *atrovirens*, Muhl. In low boggy ground.
- 540 *Eriophorum*, Mx. Wet prairies and marshes.
- CAREX, L. Sedge.
- 541 *Steudelii*, Kunth. Meadows; very common.
- 542 *vulpinoidea*, Mx. Wet ground.
- 543 *sparganioides*, Muhl. Dry rocky hills.
- 544 *cephalophora*, Muhl. Woods.
- 545 *rosea*, Schk. Fields and pastures
- 546 *lagopodioides*, Schk. Moist cop-ses; unfrequent.
- 547 *straminea*, Schk. Wooded hills.
- 548 *Shortiana*, Dew. Very wet ground; common.
- 549 *grisea*, Wahl. Borders of woods.
- 550 *Davisii*, Schw. and Torr. Damp thickets.
- 551 *laxiflora*, Lam. Hills and meadows.
- 552 *oligocarpa*, Schk. Moist open woods; not rare.
- 553 *pubescens*, Muhl. Thickets along streams.
- 554 *lupulina*, Muhl. Common about streams.
- 555 *stenolepis*, Torr. Very common in marshes.
- 556 *Vaseyi*, Dew. Sloughs and ponds; not frequent.

GRAMINEÆ.

(Grass Family.)

- LEERSIA, Solander. White Grass.
- 557 *Virginica*, Willd. Low ground; not uncommon.
- 558 *oryzoides*, Swartz. Bogs and marshes; rather scarce. (Eu.)
- PHLEUM, L. Timothy.
- 559 *pratense*, L. Fields; cultivated for hay. (Nat. from Eu.)
- VILFA, Adams. Rush Grass.
- 560 *aspera*, Beauv. Common in yards and rich soil.
- 561 *vaginiflora*, Torr. Dry sterile soil.
- AGROSTIS, L. Bent Grass. Red-top.
- 562 *vulgaris*, With. Meadows; commonly cultivated. (Eu.)
- 563 *alba*, L. This and the above are valuable forage grasses. (Eu.)
- MUHLENBERGIA, Schreber. Dropseed Grass.
- 564 *glomerata*, Trin. Dry, rocky hills; common.
- ARISTIDA, L.
- 565 *oligantha*, Mx. Very poor, dry soil.
- SPARTINA, Schreber. Cord Grass.
- 566 *cynosuroides*, Willd. Bottoms and low grounds.
- BOUTELOUA, Lagasca. Muskit Grass.
- 567 *curtipendula*, Gray. Rocky and very dry soil.
- ELEUSINE, Gærtn. Crab Grass.
- 568 *Indica*, Gærtn. Waste ground; very common. (Nat. from Ind.)
- TRICUSPIS, Beauv.
- 569 *seslerioides*, Torr. Borders of woods, in dry soil.
- DACTYLIS, L. Orchard Grass.
- 570 *glomerata*, L. Yards, etc.; cultivated for hay. (Nat. from Eu.)
- MELICA, L.
- 571 *mutica*, Walt. Sandy soil along bluffs.
- GLYCERIA, R. Br. Manna Grass.
- 572 *Canadensis*, Trin. Moist or wet ground; common.
- POA, L. Blue Grass.
- 573 *pratensis*, L. Common everywhere, but naturalized. (Eu.)
- ERAGROSTIS, Beauv.
- 574 *pectinacea*, Gray. Fields and yards; very common.
- BROMUS, L. Chess or Cheat.
- 575 *secalinus*, L. Wheat fields, where it is often taken for degenerated wheat, but a close inspec-

- tion will prove to the contrary.
(Adv. from Eu.)
- 576 *racemosus*, L. With the preceding. (Adv. from Eu.)
- 577 *ciliatus*, L. Open woods and hills; not common.
- UNIOLA, L. Spike Grass.
- 578 *latifolia*, Mx. Rocky hills and copses.
- ELYMUS, L. Wild Rye.
- 579 *Canadensis*, L. Rich soil along streams.
- 580 *Sibiricus*, L. Bottom lands; not frequent. (Eu.)
- 581 *striatus*, Willd. Banks of streams
- 582 Var. *villosus*, Gray, With the above.
- GYMNOSTICHUM, Schreb. Bottlebrush Grass.
- 583 *Hystrix*, Schreb. Moist shaded hills; frequent.
- PHALARIS, L. Canary Grass.
- 584 *Canariensis*, L. Yards; rare. (Adv. from Eu.)
- PANICUM, L. Panic Grass.
- 585 *sanguinale*, L. Cultivated fields. (Nat. from Eu.)
- 586 *capillare*, L. Fields and cultivated ground.
- 587 *virgatum*, L. Damp ground along brooks.
- 588 *Crus-galli*, L. Waste ground. (Nat. from Eu.)
- SETARIA, Beauv. Foxtail Grass.
- 589 *verticillata*, Beauv. About yards. (Adv. from Eu.)
- 590 *glauca*, Beauv. Common in cornfields. (Adv. from Eu.)
- 591 *viridis*, Beauv. Fields and meadows. (Adv. from Eu.)
- 592 *Italica*, Kunth. Millet. Fields; commonly cultivated. (Adv. from Eu.)
- CENCHRUS, L. Bur Grass.
- 593 *tribuloides*, L. A pest to farmers; common.
- TRIPSACUM, L. Gama Grass.
- 594 *dactyloides*, L. A very tall grass on prairies.
- ANDROPOGON, L. Beard Grass.
- 595 *furcatus*, Muhl. Rocky hills; not frequent.
- 596 *scoparius*, Mx. Dry prairies; common.
- SORGHUM, Pers. Broom Corn.
- 597 *nutans*, Gray. Hills and mottes.

SERIES II.

CRYPTOGAMOUS OR FLOWERLESS PLANTS.

CLASS III.—ACROGENS.

EQUISETACEÆ.

(Horsetail Family.)

- EQUISETUM, L. Horsetail. Rush.
- 598 *arvense*, L. Common along streams.
- 599 *robustum*, Braun. In water everywhere.

FILICACEÆ.

(Fern Family.)

- ADIANTUM, L. Maidenhair.
- 600 *pedatum*, L. Rich shaded slopes.
- PELLÆA, Link. Cliff Brake.
- 601 *atropurpurea*, Link. Limestone ledges.
- ASPLENIUM, L. Spleenwort.
- 602 *angustifolium*, Mx. Deep shaded woods.
- CAMPTOSORUS, Link. Walking Leaf.

- 603 *rhizophyllus*, Link. North ern sides of limestone bluffs.

ASPIDIUM, Swartz. Wood Fern.

- 604 *acrostichoides*, Swartz. Shaded hillsides; common.

CYSTOPTERIS, Bernh. Bladder Fern.

- 605 *fragilis*, Bernh. Rocky knolls; very common. (Eu.)

ONOCLEA, L. Sensitive Fern.

- 606 *sensibilis*, L. Moist ground along streams.

WOODSIA, R. Brown.

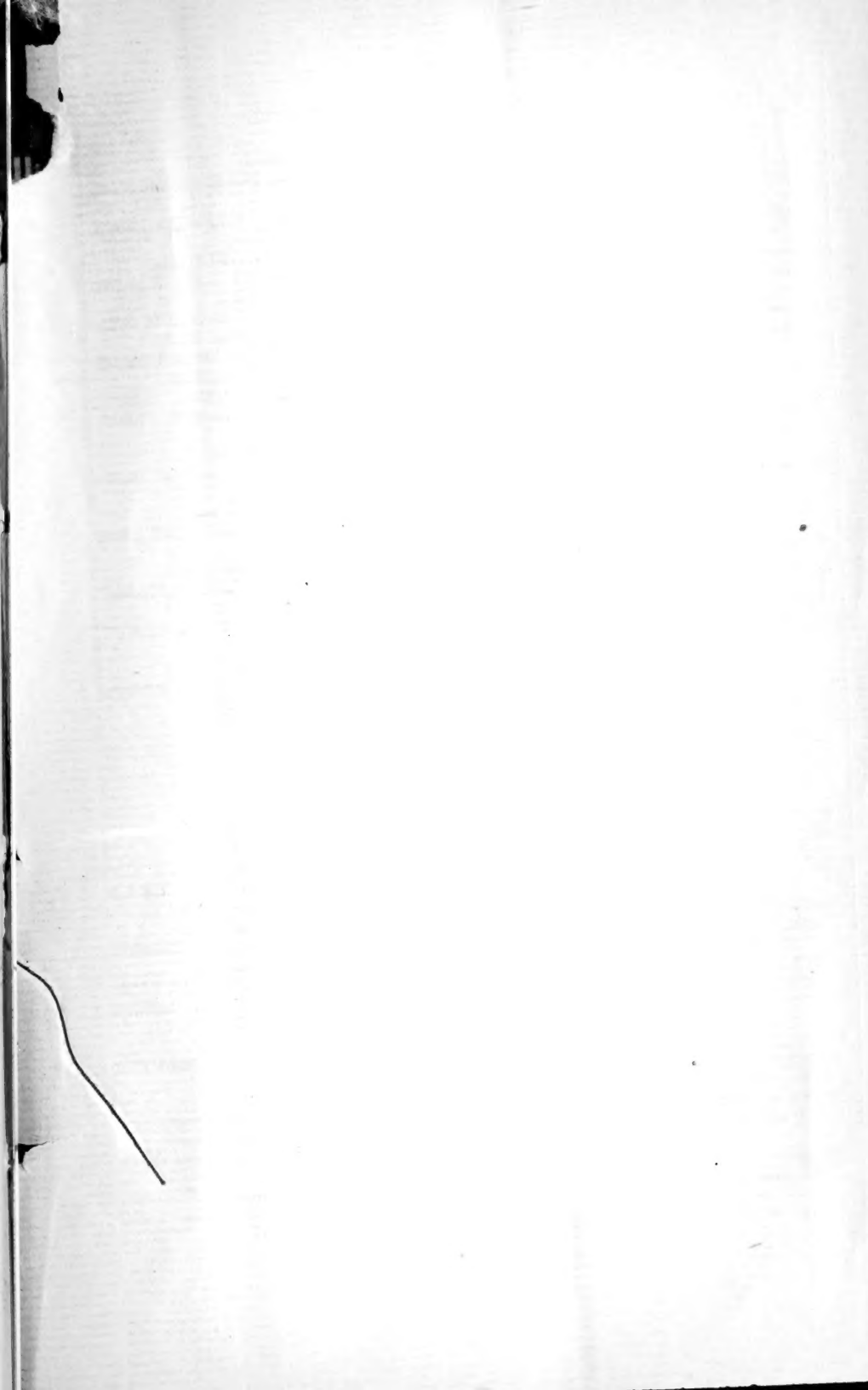
- 607 *obtusata*, Torr. Rocky slopes.

BOTRYCHIUM, Swartz. Moonwort.

- 608 *Virginicum*, Swartz. Deep shaded woods. (Eu.)

OPHIOGLOSSUM, L. Adder's Tongue.

- 609 *vulgatum*, L. Dry rocky hills; not rare. (Eu.)



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